

# Akita University

2015 Edition

# Outline

GENERAL INFORMATION BULLETIN 2015





# AKITA UNIVERSITY 2015

GENERAL INFORMATION BULLETIN

C O N T E N T S

01 Message from the President

02 Mid-term Objective and Plan

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Education, Research, Contributions to Society,  
International Exchange

05 Distinguished Education and Research

06 Contributions to Society

08 International Exchange

---

Faculty, Graduate School

11 Faculty of International Resource Sciences

12 Faculty of Education and Human Studies

13 Faculty of Medicine

14 Faculty of Engineering Science

15 Graduate School of Education

Graduate School of Medicine

Graduate School of Engineering and Resource Science

---

University Facilities

17 University Library

18 University Hospital

20 Mining Museum

21 Affiliated Schools and Facilities for Education and Research

22 University Common Use Facilities for Education and Research

23 Center for Education and Research/Technological Organization

24 Welfare Facilities/Sports Facilities

25 Tokyo Satellite Office/Yokote Branch School,  
Kita Akita Branch School, Oga Namahage Branch School

26 Information Center

---

INFORMATION

28 Historical Sketch

31 Academic Organization

32 Student Quota, Current Student Data

33 New Student Application and Entrant Data

34 Undergraduate and Graduate School Graduate Data/  
Degree Conferral Data

35 International Student Data/International Researcher Data

36 Overseas Partner Universities

37 Administrator Data/Instructor Data

38 Budget for FY2015/Accepted External Funding Status

39 Telephone Numbers and Addresses

40 Tegata Campus Map

41 Hondo Campus Map/Hodono Campus Map

42 Access





## Message from the President April.2015

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At Akita University, the Faculty of International Resource Sciences was newly established, and with the Faculty of Medicine, reorganized Faculty of Engineering Science, and Faculty of Education and Human Studies, we have set out on a new beginning with a 4-faculty organization.

With its roots in the former Mining College the Faculty of Engineering and Resource Science established spirit of inquiry, and the students of the Faculties of Engineering Science and International Resource Science will follow in the footsteps of those before them, continuing to nurture that knowledge and ambition. Akita is suffering from Japanese's declining and aging population, however the children raised here are recognized as being "No.1 in Academics" in Japan, and are truly important resource for Akita. Our commitment to these children goes hand-in-hand with the pedagogical philosophy that drives the Faculty of Education and Human Studies, and also its dreams of the future.

With the recent reorganization and newly developed Regional Cultures Department, we hope to build up our track record for cultivating talented students who can contribute to the region and the world.

Moving on to the Faculty of Medicine, it was founded in 1970 as the first Faculty of Medicine in post-war Japan, due to the enthusiastic support of the people of Akita who rallied together in a campaign to the government protesting the lagging medical facilities in the prefecture. In other words, the origin of the Faculty of Medicine was the "hope" that protects the lives of the people of this area. In all of our Faculties, each possessing such unique features, let us carry on our studies, and strive to become a far-sighted leader for the world and the region.

The world is now in a great race, where people, goods and information circulate instantaneously. In this movement, there are no

country borders creating "barriers." Young people definitely have the potential to help Japan evolve into a country that is reliable, respected, and can exhibit its presence in the international community for years to come. You are given the time to learn as a "student" and the place to learn at "Akita University" to be an essential one. As building your character, polish your "words" that will allow you to accommodate globalization. Akita University will provide the utmost support to its students, who abound in youth and talent.

On campus there are over 200 students from 29 different countries and regions studying diligently, the abundance of nature as is witnessed during the four seasons, and the warm welcome from the local Akita people will surely aid in creating a rewarding international study experience. As humans we share common emotions and intellect, and various ways of thinking and feeling as influenced by our own cultures. These sensibilities are indispensable to us as world citizens, and we invite you to refine them in Akita alongside the Japanese students.

Akita University is the core university of the natural resource-rich northern Tohoku region, and has set forth to develop and grow with the region, as is stated in the university's mission. We accept earnest Japanese and foreign students, provide a place for educational research taking into account the circumstances of the region, while striving to cultivate excellent human resources and presenting innovative global achievements. We have further enhanced our ties to local areas through our Yokote, Kita Akita, and Oga Namahage campuses. Our cooperation with other universities is also being strengthened.

We are attempting innovative challenges in regional and global settings.

Akita University's mission statement works towards fulfilling the dreams and promise of all those who gather here.

Akita National University President

**Dr. Kenichi Sawada, M.D.**



## Our Mission

1. Promote world-class education and research.
2. Contribute and commit to regional development and the resolution of global issues.
3. Nurture students who can assume an important role both globally and locally.

# Mid-term Objective and Plan

## Akita University Mid-term Objective (Preamble) The University's Basic Objective

As a core university in the natural resource-rich northern Tohoku region, Akita University has set forth as its mission, to develop and grow with the region. We provide a place for educational research that takes into account the circumstances of the region. We strive to cultivate talented students and who may present their innovative achievements around the world. Therefore we make every effort to accept earnest young students from both within Japan and abroad. Towards that end, we are pursuing a flexible organization in cooperation with other institutions of higher learning.

Regarding the development of talented students, each department in the university nurtures its students to become specialized professionals capable of taking on essential roles in the local community as highly-specialized professionals who are active on the international stage and are globally-minded researchers in academia. This is achieved through our graduates specialized education, and through the

integration of various studies and organizations. For this reason, we stand by the notion that a quality liberal arts education is essential to becoming an independent and balanced member of society. Based on this basic knowledge, Akita University aims to be a student-centered university with a dynamic campus-wide fellowship of knowledge amongst its students and staff.

Based on the aforementioned principles and guidelines, the basic objectives of the university's activities are set forth below.

1. In terms of education, to strive to maintain a world-class standard of education both in content and quality, and nurture future leaders to undertake the issues facing their generation.
2. In terms of research, to promote distinctive research activities with a broad perspective, from regional circumstances to the various issues





facing humankind, and continuously presenting the results locally and globally.

3. In terms of contributions to society, to promote university classes open to the community, improve medical care and welfare, participate in the development of education and industry, and to serve as a cornerstone in the region.
4. In terms of globalization, to foster international study, to continue to assign university students and staff abroad, to increase the number of international student admissions as well as researchers from Asian and other foreign countries, and to strive to maintain an appropriate campus environment that accepts them.
5. In terms of university management, support the leadership of the university President, and to continue to invest in the necessary resources that may strengthen the university's core programs.

## Mid-term Objective

- I. To enhance the quality of the university's current education program and research
- II. To develop and streamline the university's management
- III. To improve the university's financial standing
- IV. To provide transparency regarding the results of self-evaluations as well as the universities programs' current conditions
- V. A mid-term plan with 66 items has been established outlining the measures necessary to achieving the objectives regarding the business management of other miscellaneous topics.

The university's entire "Mid-term Objectives and Midterm Plan" can be viewed online (in Japanese) at the following site:

[http://www.akita-u.ac.jp/honbu/info/in\\_target.html](http://www.akita-u.ac.jp/honbu/info/in_target.html)



# Education Research at Akita University Index

## Distinguished Education and Research

- Leading Doctorate Degree Program  
New Frontier Leader Program for Rare-metal and Resources
- Oncology Professional Training Plan  
A plan to promote training the next generation of specialists in treating cancer
- Akita University “A Regional and Intellectual Base” Maintenance Project  
Building a strong community that may cope with the aging society while respecting each individual’s value
- Strategic International Collaborative Research Program  
Science and Technology Research Partnership for Sustainable Development (SATREPS)

## Social Contributions

### International Exchange



# Distinguished Education and Research

## Leading Doctorate Degree Program: New Frontier Leading Program for Rare-metal and Resources

(Period of implementation: Adopted 2012 –2018)

The “Resource New Frontier Special Education Course” was established by the Graduate School of Engineering and Resource Science. Expanding beyond the confines of conventional Natural Resource Studies to include recycling, resource economics, environmental conservation and resource literacy, This program fosters the knowledge and skills required for cultural understanding and international relations with the aim to nurturing talented students and graduates who will become “resource new frontier leaders” with the ability to survey and tackle issues regarding international resource development in the 21st century.



Geological surveying at the Mongolian Summer Camp.

## Oncology Professional Training Plan A plan to promote training the next generation of specialists in treating cancer

(Period of Implementation: Adopted 2012 – 2016)

This is a collaborative project with four universities in Tokyo, including Tokyo Medical and Dental University and Hirosaki University. Participants in this program work towards combating cancer. The program’s aims are to ①Obtain a variety of minimally invasive cancer treatment methods ②Train comprehensive clinical oncologists ③Spread and promote community healthcare for cancer treatment ④Promote clinical cancer research and the practical application of its results ⑤Train talented students who can be involved in the development of cancer treatment equipment used in hospitals ⑥Train oncology pharmacists who can contribute to the improvement of cancer therapies involving medication.



Remembering the working days of Ani mine through a re-enactment of the traditional folk song and performance, “Karame Bushi”.

## Akita University “Regional and Intellectual Base” Maintenance Project (COC project)

– Helping build a strong community despite the aging society while respecting each person’s value as an individual–

(Period of Implementation: Adopted 2013 – 2017)

This is the Ministry of Education, Culture, Sports, Science and Technology’s new subsidiary project of 2013. By promoting participation in local businesses and cooperation with residents in Yokote, Kita Akita, and Katagami, we are creating the “Akita Original Regional Model.” This model gives hope to a region that is harshly feeling the effects caused by the aging population and positions the university to a place of endearment in the regional.



An Akita Regional Cancer Care Information Session.

## Strategic International Collaborative Research Program. Science and Technology Research Partnership for Sustainable Development (SATREPS)

Research on the Integration System of Spatial Environment Analyses and Advanced Metal Recovery to Ensure Sustainable Resource Development

(Period of Implementation: Adopted 2014 – 2019)

This program is conducted in Serbia at a copper resource area struggling with environmental pollution. Participants in the program conduct far-reaching environmental assessment including restoration system research development. The aim of this program is to find balance between resource development and the protecting the environment, which is indispensable to sustainable resource development. Research is conducted using advanced remote sensing data and surface data to create a three dimensional environment evaluation and analysis, which is integrated with metal recovery technology.



Undergoing environmental research in Serbia.

# Contributions to Society

In 2004 Akita University became an Incorporated National University. It embraced this opportunity to reaffirm that education, research, and social contributions were the focal points of university management policy. We have been promoting the “open university project” as the hub of public intellect. The root of the university’s social contributions is the belief that one’s education not only takes place as a student, but that it is a lifelong process. Therefore the university should make proactive efforts to provide educational resources to the whole community. This concept acts as the basis for the expansion of various educational activities. Furthermore we offer opportunities geared towards high school students and their parents, as well as to elementary and junior high school students.

## Akita University’s Social Contribution Project

### ■ Open lectures

Every year open lectures are held on a wide variety of topics. These open lectures act as an excellent educational resource for anyone in the community at large who wishes to engage in lifelong learning.



\*For the list of open lectures offered during 2015 please refer to Akita University Official Website.

### ■ Satellite Project

In municipalities around Akita prefecture and in the greater Tokyo area, Akita University faculty members present lectures, science lessons geared toward children, and other fun and interesting educational events. This project is in cooperation with 3 other universities: Akita Prefectural University, Akita International University, and Akita University of Art.



### ■ Children’s Observation Day

Every year during summer vacation “Children’s Observation Day” is held for elementary school students and their parents. The purpose is to raise young students’ interest in the university through campus tours, watching experiments in laboratories, viewing the night sky at the campus



observatory, and other fun, educational events.

### ■ Elementary and Junior High School Student Tours

The university regularly conducts campus tours as part of the “integrated study” and workplace experience for elementary and junior high school students, and for PTA training seminars, and other similar occasions. The faculty introduces our university as they guide groups through campus and answer visitors’ questions. Visiting a research lab and interviewing faculty and/or students is also possible if desired.



### ■ Cooperating with Communities

Our university makes its education and research resources available to the community at large in order to encourage community vitalization through various partnership agreements with municipalities throughout Akita Prefecture. In an effort to be a “university rooted in the community,” we promote social activities, hold public lectures, and organize interactions between our Japanese/international students and the local community. As of May 1, 2015, we have formed partnership agreements with 15 municipalities in Akita Prefecture.



### ■ “Medical Science Café Next”

As part of Akita University’s social contributions, we have continued to provide easy access to educational resources for all local citizens. Interdepartmental collaboration has lead to a variety of lectures from professors of diverse fields, and both the Dean and the Head of the Medical School have become “Science Café Masters”, providing information about medicine and health care from multiple perspectives. Beverages are offered at the venue so that participants, be they high school students or local citizens, can feel at ease as education and research resources are shared in a relaxed atmosphere.





## Local Disaster Prevention

### 1. Investigation and Research regarding how local disaster prevention should be conducted considering the characteristics of Akita Prefecture

- ① Conduct basic research regarding earthquakes and disaster prevention within Akita Prefecture.
- ② Investigate the extent of the impact of previous *tsunami* that have occurred on Akita prefectural shores, and research ways to minimize *tsunami* damage.
- ③ Investigate and research earthquakes and *tsunami* that may have the potential to inflict enormous damage on Akita Prefecture in the future.



### 2. Train talented students who can be active in the community regarding disaster prevention



- ① Conduct disaster education at municipalities and neighborhood associations so that in the event of an earthquake local residents can carry out disaster mitigation measures on their own.
- ② Conduct disaster education at daycare facilities, kindergartens, elementary, junior high and high schools throughout the prefecture.

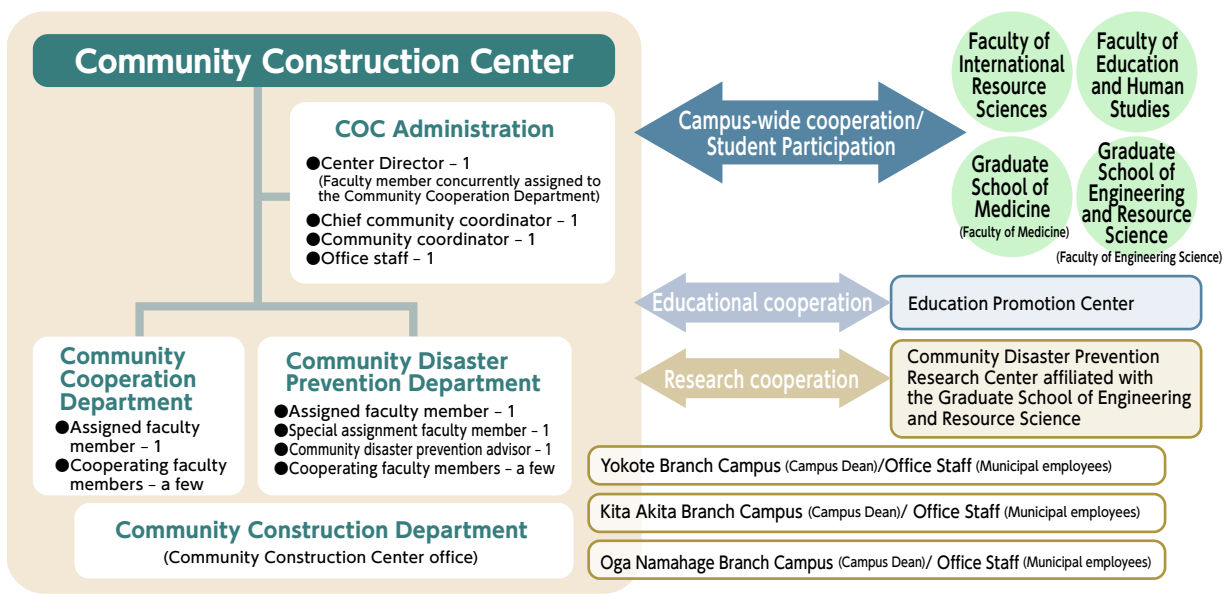
### 3. Provide instruction and advice to the prefecture and the cities, towns, and villages within it regarding disaster prevention measures

- ① Provide instruction and advice necessary to implement earthquake disaster prevention measures as well as forecast earthquake damage in Akita Prefecture.
- ② Provide instructions and advice regarding disaster prevention and mitigation measures to prefectural municipalities while taking the region's characteristics into account.

## A Bridge to the Community

The Community Construction Center was established on April 1, 2013 with the aim to “contribute to development of communities and the formation of a safe and secure society by cooperating with the community and providing advice regarding the community’s revitalization, educational activities, and resident activities and researching and providing support regarding disaster prevention for the community, from the viewpoint of creating knowledge for the purpose of local regeneration”. By giving clarity to Akita University’s “Community Cooperation Department” through its “Cooperating with the Community and

Contributing to the Community” activities, we are contributing to the sustainable development of the community. Also on September 1, 2013 the “Community Disaster Prevention Department” was established. This department investigates and researches potential earthquake damage and disaster prevention measures for the community. Further more, with the three campuses of Oga Namahage campus, Yokote campus and Kita Akita campus, Akita University has expanded its reach throughout the region, allowing it to more effectively give back to the local community through the development of educational and intellectual resources. Since 2013 the Center of Community (COC) has been an important link between Akita University and the local citizens, allowing the university to identify regional problems and work with the citizens to find a successful and sympathetic solution.



# International Exchange

## An Academic Network Stretching Across the Globe

Our present network of inter-university agreements consists of 55 universities in 29 countries and regions. Our network of inter-departmental agreements consists of 15 departments in 8 different countries and regions (as of April 1, 2015). In October 2012, the overseas base “Akita University Mongolia Office” was opened. In April 2013 the second overseas base “Akita University - Chulalongkorn University Joint Research Laboratory” was opened at Chulalongkorn University in Thailand. In October 2014, the Akita University Bangkok Office was opened within the Bangkok Branch of Hokuto Bank (Kingdom of Thailand). We will continue to be proactive in promoting international exchange through academic partnerships and student interaction with our partner schools.



Akita University Bangkok Office (October 2014)

## Challenging Resources Taking Akita University's "Stage" Global

Japan's great challenge is how to obtain resources, of which we have so few.

Rare-metals, resource nationalism, and urban mining are keywords we find in the media these days making it obvious to everyone that the world is turning upon the axis of resources. As countries go to war over resources, Akita University's presence is becoming more prominent.

Akita University is the only university in the country where students can study the entire mining process from start to finish from resource prospecting, to mineral extraction, to mineral processing. Leading experts in the resource field gather here from all over the country and train students, interns and researchers from all over the world, including Japan, to become resource development experts.

“Akita University International Center for Research and Education on Mineral and Energy Resources” has been taking a central role in this challenge. Established in October 2009, it specializes in resource research, with the aims to be the research hub for resource development. The center is based in the Faculty of Engineering and Resource Science, which makes it easier for center staff to make long-term business trips. It also serves as a center of resource information for the entire campus.

Currently the center is concentrating its efforts on providing technological support to countries that possess high amounts of resources. The center began when the resource-rich African nation of Botswana requested that

Akita University train its resource engineers.

We are providing the know-how to resource-rich countries but have difficulties in developing them. In addition to Botswana, we began to support Mongolia, Kazakhstan and other countries with undeveloped resources.

Akita University has a proud history that began more than 100 years ago with the former Akita Mining College. Now, it acts as “resource diplomat,” gathering and refining professional knowledge and building a bridge to the future.

We know that our cooperative endeavors will lead to Japan's resource security as well as a stable system of resource supplies. The technology cultivated over many years in Akita is now ready to take on the world.





Akita University is working towards expanding its international exchange program so that it may be a university open to the world. To that end we are striving to promote study abroad and international appointments amongst our students and staff, as well as increasing the number of foreign students we accept and maintaining an appropriate environment to host them. The International Exchange Center was established in February 2008, setting in place a framework for furthering strategic international exchange.

## Ample Educational and Daily Life Support for Foreign Exchange Students

Along with the increased numbers of foreign students, we are making active efforts to maintain an educational support system for them.

In 2009 we established our own unique scholarship “the Akita University Scholarship for Privately Funded Students.” As a result, we are now able to award scholarships to students with excellent grades from partner schools who wish to study abroad.

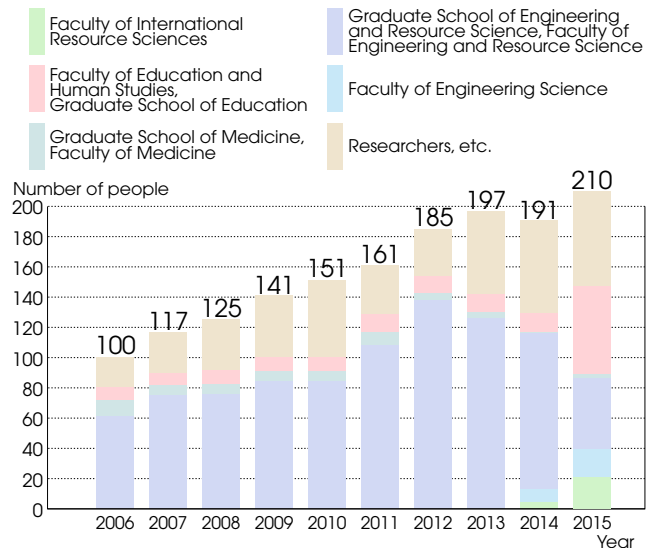
In 2014, the Japan Student Services Organization’s Student Exchange Support Program (for short-term students) adopted the “Akita University Experiential Program (AUEP)” for the 5th straight year, increasing the number of scholarship recipients, which in turn lead to the increase of exchange students from partner schools. The AUEP program aims to raise students’ communication ability and gain an understanding of Akita’s culture through experiential, multi-language classes, and specialized classes in English.

In order to deepen students’ understanding of Akita culture, various community-rooted events are planned, such as an overnight farmhouse stay, *mochi* (rice cake) making, a visit to Yokote to see the *Kamakura* (igloo), overnight ski trips, and others. By adopting a “tutoring system” Japanese students help exchange students with their Japanese language study and provide support for their daily lives. In April 2010, the “Multicultural Lounge” was established as a space to independently study a variety of languages, and study abroad orientation and information meetings are regularly held here..



Multicultural Lounge

### <Shifts in International Student Numbers>



## Nurturing Talented Students & Faculty with an International Perspective

**Nurturing Talented Students & Faculty with an International Perspective** In order to assign young faculty members to posts in foreign universities, and nurture talented professors with an international perspective, we have undertaken the “Akita University Researcher Foreign Assignment Project.” Each year since 2008 approximately 3 professors (23 in total) have used this system to conduct research at universities abroad.

Also, in an effort to provide financial support to university students studying abroad at partner schools we have established the “Akita University Student Overseas Assignment Support Project.” Part of the student’s international airfare is paid for (up to 40,000 yen within Asia, and up to 100,000 for other locations), with support provided to 5 students in 2013.



Study Abroad Orientation (May 23, 2014)



# Undergraduate Faculty and Graduate School

[Undergraduate Faculty]

Faculty of International  
Resource Sciences

Faculty of Education and  
Human Studies

Faculty of Medicine

Faculty of Engineering Science

[Graduate School]

Graduate School of Education

Graduate School of Medicine

Graduate School of Engineering  
and Resource Science



# Faculty of International Resource Sciences

The Faculty of International Resource Sciences is the only faculty in Japan where students can study of natural resources with such a strong science and technology approach. The faculty's programs combine earth science and geotechnology with a focus on economic-minerals, petroleum exploration, development, and production. The Faculty also provides studies in the humanities with a focus on the politics and cultures of resource-producing nations. Students will learn from professors who are world-class researchers in their respective fields about natural resources and their importance in our daily life. Graduates will be able to apply their practical and theoretical knowledge at the international level, strengthening the ties between the faculty and other universities, companies, and research institutions both in Japan and abroad.

## Faculty Organization

### Department of International Resource Sciences

Looking toward resolving various issues connected to natural resources on a global scale, with an emphasis on practical abilities and maintaining an international perspective.

#### ● Resource Policy and Management

Students study resource-producing regions' cultures and learn how to communicate with people from diverse cultural backgrounds and different value systems. They deepen their knowledge of economics, policy, and law relating to resource development.

#### ● Earth Resource Science

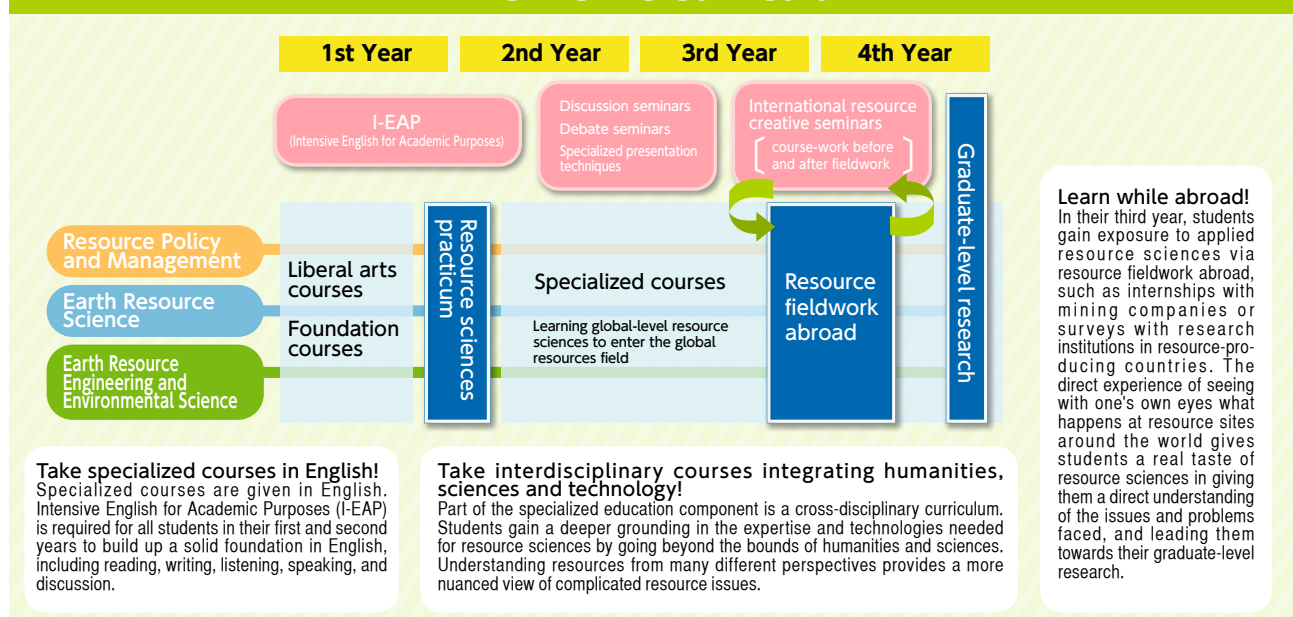
This field of study is focused on the dynamics of earth history. Students study and research the formation and distribution-systems of the earth's underground resources (such as economic-minerals and petroleum) throughout the 4.6 billion years of the earth's history.

#### ● Earth Resource Engineering and Environmental Science

Students are given a comprehensive overview of resource development and the global environment, from resource exploration, development, and production methods, to refining and recycling technologies and environmental conservation.



## Distinctive Curricula



## Faculty of Education and Human Studies

The Faculty of Education and Human Studies Department specializes in one academic course that consists of: the School Curriculum Course which trains students to become educators; and the Regional Culture Department which is the core of various regional collaboration programs. The School Curriculum Course aims to cultivate future educators with practical classroom skills, while working in close cooperation with local schools and maintaining a high level of enthusiasm for education in order to meet the demands of the country's highest standards. In the Regional Culture Department, students learn a variety of subjects including social sciences and humanities, and combined with regional collaborations and on-site fieldwork, students can develop the practical skills required to view regional issues from a local and international perspective.

### Faculty Organization School Education Curriculum

We nurture future educators who can contribute to the vitalization of education in the region.

#### ● Compulsory School Teachers

This program trains teachers with the advanced practical skills needed to support top-class academics nationwide, with an emphasis on the elementary and junior high school levels. Students will gain a deeper understanding of childhood development and growth, both mental and physical, and gain competencies for teaching in both elementary schools and junior high schools.

#### ● English Language Teachers

In addition to improving students' practical English abilities so that they may become teachers at the elementary and junior high school levels, the program also trains teachers in Cross-Cultural Communication Skills which go beyond just the English language in order to educate Akita's next generation of globally capable people.



#### ● Science and Mathematics Teachers

Students in this program expand their systematic knowledge of science and mathematics, and learn how to make these subjects interesting for young students. Part of this program's focus is on training teachers who can develop experiential understanding in their class rooms.

#### ● Special-Needs Education Teachers

The program trains teachers to be able to support the development and growth of special needs students in an inclusive environment, as part of special-needs education at mainstream elementary and middle schools or at special-needs schools.

#### ● Child Development and Education

The program offers training for teachers and covers nursery school through elementary school, providing a thorough understanding of child development and education at the nursery school, kindergarten, and elementary levels.

### Regional Culture Department

Training talented students who can contribute to regional revitalization.

#### ● Regional Studies

This course gives a diversified and comprehensive education in regional studies through the exploration of five areas: Public Policy Area covers subjects such as law and economics; Local Environment Area covers subjects such as sociology and geography; Practical Psychology Area offers the opportunity to train as a certified psychologist; in the Life Science Area students learn about utilizing local food resources in product development, living environments and more; and the Information Communication Area trains students in how to effectively use ICT.

#### ● Humanities

In this course, Asian (including Japanese), European and American languages and cultures are studied from a humanities perspective through language, literature, history, philosophy and art. The foreign language education program (English, German, French, Russian, Chinese, Korean) together with the overseas study program aims to give students the skills needed to acquire a broad understanding of the international community, while also learning how to apply that knowledge to revitalizing regional culture.





# Faculty of Medicine

We are training talented students who are able to maintain an international perspective and who can contribute to people's health and welfare. We do this by first making sure that our students have a broad educational background rooted in the humanities. Our students are flexible and adaptable allowing them to adjust accordingly to the ever advancing fields of medicine and health-care. Over time our students develop an ability to solve problems, and a firm understanding of medical and health sciences. Other than working as a medical professional in a clinical setting, the door to continue on into graduate school to become a researcher or instructor, or any number of other advanced specialists in the medical field is opened upon graduation.

## Faculty Organization

### Medical Department

Producing future leaders of the medical field, excelling in specialist knowledge and expertise.

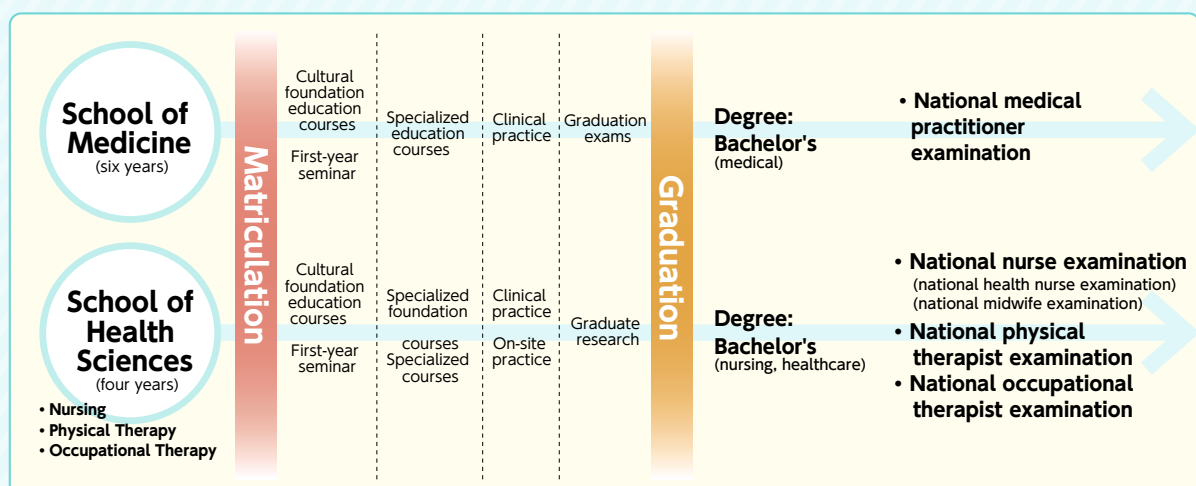
### Health Sciences Department

The Health Sciences Department has 3 majors: nursing, physical therapy, and occupational therapy. There are also 6 courses students may choose from: nursing, public health nurses, midwives, physical therapists, and occupational therapists. These courses are offered in order to train specialists in the medical field.

School of Medicine	The faculty from the graduate school leads instruction.	
School of Health Sciences	Major	Organization of Faculty Instructors
	Nursing	<ul style="list-style-type: none"> <li>Basic Nursing Course</li> <li>Clinical Nursing Course</li> </ul>
	Physical Therapy	<ul style="list-style-type: none"> <li>Maternal/Child nursing course</li> <li>Regional and Elderly Nursing Course</li> </ul>
	Occupational Therapy	<ul style="list-style-type: none"> <li>Physical Therapy Course</li> <li>Occupational Therapy Course</li> </ul>



## Curriculum for the Faculty of Medicine



# Faculty of Engineering Science

The Faculty of Engineering Science is striving to train talented students and researchers with expertise backed by “reason” and a high-level of ethics. Students in this faculty can look at a range of interdisciplinary fields, making them able to contribute not only to Japan as a whole, but also to the region with confidence. In the first and second years students receive a thorough education in engineering, and in the third and fourth years students take that knowledge and gain a fuller understanding of what it means as they apply it in while taking a more active role in their desired field. During their undergraduate education students can discover questions on their own, gain a broad perspective regarding issues in fields previously unknown to them, and gain the ability to problem solve and be flexible.

## Faculty Organization

### Department of Life Science

Training researchers and engineers to tackle various problems in the life sciences field.

#### ● Life Sciences Course

Students gain a clear understanding of various biological phenomena that make up life from the molecular, cellular, or bodily level, and to the group organism level.

### Department of Materials Science

This department trains researchers and engineers who will deal with cutting-edge, functional materials and chemical processes.

#### ● Applied Chemistry Course

Students will study a broad spectrum of specialized chemical fields from chemical engineering that deals with organic and inorganic materials and energy, to bioprocesses.

#### ● Material Science and Engineering Course

A wide range of fields are studied starting with the fundamental sciences focusing on solid-state physics, solid-state chemistry, metallic materials, science and engineering, and ceramic materials.



### Department of Mathematical Science and Electrical-Electronic-Computer Engineering

These departments train talented students in multi-faceted approaches in order to become leaders in fields ranging from mathematics and physics to electrical and electronic telecommunications.

#### ● Mathematical Science Course

Students study mathematical and computer sciences with a focus on algebra, geometry, mathematical analysis, discrete mathematics, quantum mechanics and electromagnetics.

#### ● Electrical and Electronic Engineering Course

Students learn about the fundamental technology that supports electric, electronic, information systems, and communications engineering. Students may focus on electric power engineering, semiconductor device engineering, measurement electronics, and electric mechanical science.

#### ● Human-Centered Computing Course

Students will learn advanced applied technology founded in computer science, with a focus on human& computer interaction, welfare communication engineering, image analysis, and information communications and networks.

### Department of Systems Design Engineering

This department trains practical engineers capable of creating new things.

#### ● Mechanical Engineering Course

Students study the mechanical engineering process and theories that form the foundation of every industry. The course focuses on material mechanics, fluid dynamics, thermodynamics, machine mechanics, control engineering, nanotechnology, medical engineering, biomechanics, and robotics.

#### ● Creative Manufacturing Engineering Course

Students learn about a wide range of engineering disciplines with a focus on design engineering, creative production science, electrical and electronic circuits, system control engineering, rocketry, and a practical research project.

#### ● Civil and Environmental Engineering Course

Students learn the technology to create and preserve a safe, secure and comfortable local environment with a focus on structural design studies, construction material science, ground disaster prevention engineering, and environmental hydraulics.

## Distance Learning

Akita University Faculty of Engineering is the only national university that offers “public distance learning courses.” Since the first class was held in 1948, over 1700 graduates have been produced while maintaining the background of educational tradition and history. In order to gain general background knowledge in scientific technology, a general scientific technology course and courses to study the basics and specifics in resources, materials or electrics and electronics are offered.



# Graduate School

## Graduate School of Education

The Graduate School of Education aims to provide graduates with an advanced, specialized knowledge of education, psychology, and human development. There are also programs training students in school education management and practical teaching ability.

In addition to accepting applicants who are currently teaching staff, the graduate program also actively accepts students from abroad.

Master's Degree Program	
School Education	School Education Psychological Education
Major Subject Education	Japanese Language Education, Social Studies Education, Mathematics Education, Natural Science Education, Music Education, Art Education, Health and Physical Education, Home Economics Education, English Education



## Graduate School of Medicine

The Graduate School of Medicine aims to train excellent researchers and highly specialized medical staff who possess an international perspective, and who can promote the most advanced research in medicine, medical, and life sciences, all of which contribute to the development of human health and welfare.

Master's Degree Program		
Medical Science		
Master's Degree Program / Doctorate Degree Program		
Health Sciences	Master's Degree Program	Nursing Science Rehabilitation Science
	Doctorate	Science for Supporting the Development of Women and Children Health and Wellness Development
Doctorate Degree Program		
Medicine	Bioregulatory Medicine, Oncoregulatory Medicine Organ Function-Oriented Medicine, Public Health and Environmental Medicine, Cooperative Division	



## Graduate School of Engineering and Resource Science

The Graduate School of Engineering and Resource Science stands on the principles established by the undergraduate Faculty of Engineering and Resource Science and expands upon them in order to create new areas of research. The school is made up of a Master's degree program, which consists of 9 majors corresponding to the departments within the faculty, and a doctoral program consisting of 5 majors based on new engineering and resource science concepts.

Master's Degree Program	
Earth Science and Technology	Applied Earth Sciences Geo-Engineering
Applied Chemistry	Molecular Chemistry Chemical Engineering
Life Science	Life Science
Materials Science and Engineering	Materials Science Functional Materials Science Advanced Materials for Energy Science Materials Processing Engineering
Computer Science and Engineering	Information Technology Engineering Mathematical Science
Mechanical Engineering	Mechanical Engineering Science Mechanical Dynamics Systems Design Robotics and Welfare Engineering
Electrical and Electronic Engineering	Electric Energy Engineering Photonic and Electronic Device Engineering Intelligent Information and Communication Engineering Control System Engineering
Civil and Environmental Engineering	Welfare Environment Engineering Structures and Materials Engineering Regional Environment Engineering
Cooperative Major in Life Cycle Design Engineering	Life Cycle Strategies Systems Engineering for Environment
Doctorate Degree Program	
Geosciences, GeoTechnology, and Materials Engineering for Resources	Earth Resource Science Technology for Resources and Environment Environmental and Resource Recycling Technology
Life Sciences	Life Sciences
Advanced Materials Engineering	Advanced Materials Engineering Environmental Chemistry and Chemical Engineering
Production and Civil Engineering	Production System Engineering Civil Engineering Welfare System Engineering
Electrical, Electronic and Computer Systems Engineering	Electrical and Computer Systems Engineering Electronic and Computer Systems Engineering
Special Course: New Frontier Leaders on Resources (five-year integrated doctoral degree)	
Master's	Earth Science and Technology, Applied Chemistry
Doctorate	Geosciences, GeoTechnology, and Materials Engineering for Resources Advanced Materials Engineering





# University Facilities

## University Library

## University Hospital

## Mining Museum

## Affiliated Schools and Facilities for Education and Research

- Kindergarten ○Elementary School ○Junior High school ○Special Support School
- Center for Educational Research and Practice ○Mining Museum
- University Hospital ○University Hospital Medical Simulation Center
- Center for Aging in Place
- Research Center for Development of Disaster Prevention
- Innovation Center for Engineering Design and Manufacturing
- Research Center for Engineering Science

## Campus-wide Joint Use Facilities

- Research Center for Biosignal ○Information Integration Center ○Venture Business Laboratory
- Bioscience Education and Research Center ○Radioisotope Research Center ○Environmental Research Center
- Venture Incubation Center ○Cooperative Research Center
- International Center for Research and Education on Mineral and Energy Resources ○Center for Regional Development

## Centers

- Center for Evaluation ○Center for Promotion of Educational Research and Affairs ○Student Support Center
- Center for Teaching License Extension ○International Exchange Center

## Engineering Organization

- General Technology Section

## Welfare Facilities

- Health Center ○University Hall (Clair) (Tegata Campus) ○Hondo Hall (Medikoko) (Hondo Campus)
- Student Dormitories ○International House ○International Student House
- Nyuto Lodge (Recreation Facility)

## Athletic Facilities

- Athletic Track and field ○Baseball field ○Handball court ○Large multi-use gymnasium ○Small multi-use gymnasium
- Martial Arts training halls ○Archery range ○Tennis court ○25m Swimming Pool ○Exercise ground

## Tokyo Satellite Office

## Yokote Branch School/Kita Akita Branch School/Oga Namahage Branch School

## Information Center



# University Library



Central Library (main entrance)

● The University Library offers study, educational and research support to students and faculty members. The “Commons Group Study Room” has been newly established and is a space where students can engage in active approaches to learning. Also, as a library open to the community, the general public can also use the library to browse and borrow materials.

## 〈Services〉

- Browsing
- Lending/Reserving
- Photocopying
- Reference
- Library Catalog
- Various databases
- Use of PCs, electronic board, and other equipment



Central Library browsing floor



Central Library lounge



Central Library “Commons”



Medical Library “Commons”

● The two University Libraries (the Central Library on Tegata Campus and the Medical Library on Hondo Campus), provide books, magazines, audio-visual materials, electronic information, and other study materials for student use, while systematically managing and maintaining the collection.

● Number of books in the collection Central Library: 425,000 books  
Medical Library: 110,000 books

## 〈Opening Hours〉

Category	During each semester	During Long-term Breaks
Weekdays	8:30am – 10:00pm	8:30am – 5:00pm
Sat, Sun, Holidays	12:00pm – 6:00pm	Closed



Special collection. The entire works of Shakespeare published in the 18th century is housed here.

## ● For more detailed information

〈Central Library〉

TEL.018-889-2279 E-mail: riyos@lib.akita-u.ac.jp

〈Medical Library〉

TEL.018-884-6052 E-mail: ibun@lib.akita-u.ac.jp

## 〈University Library Homepage〉

<http://www.lib.akita-u.ac.jp/>

# University Hospital



University Hospital (Front entrance)

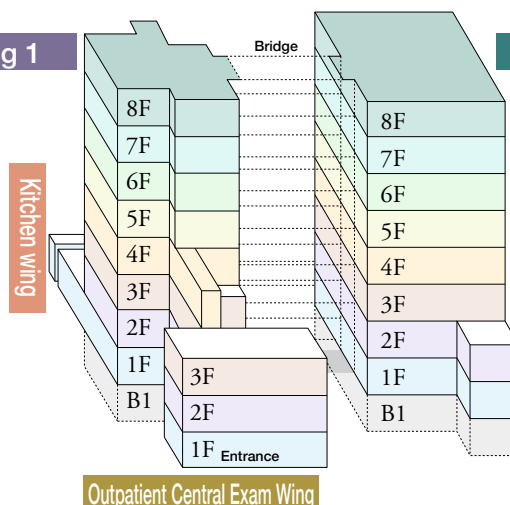
The University Hospital is not only an educational and research facility, but it is also the core health care facility in the community. The hospital makes full use of its medical capabilities through an abundance of knowledge that covers each medical discipline and the most up to-date medical equipment. In 1994 it was designated as a Specific Function Hospital, and as a hospital that takes on a leadership role in the community, we shall continue to strive to further our efforts to contribute to society.

Furthermore, while we are actively trying to fulfill our role in training excellent medical staff and furthering medical research through providing adequate, high-quality, advanced medical care in an medical environment where patients can feel secure, we are also taking on a role central to community healthcare and healthcare related activities. We also strive to further our contributions globally.

## ◀Hospital Guide▶

### Wing 1

### Wing 2



As of July 1, 2015

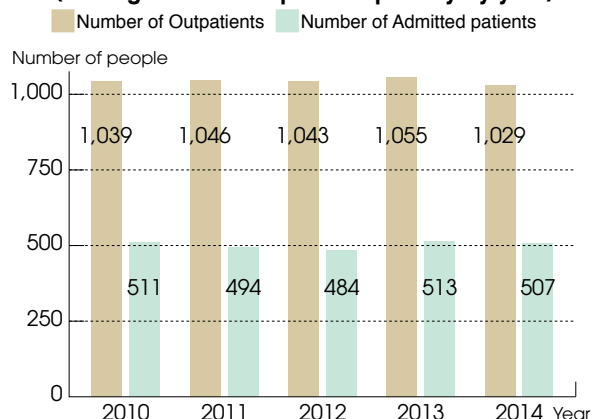
Wing 1		Wing 2	
8F	Orthopedics Neurology		Hematology Nephrology Rheumatology
7F	Ophthalmology Respiratory surgery Mammary gland/Endocrinology		Respiratory medicine ENT
6F	Gastroenterology Anesthesiology Esophageal surgery		Gastroenterology (Hepatobiliary and Pancreatic) Gastroenterology (Stomach and Esophagus) Clinical Oncology
5F	Pediatrics Pediatric surgery Neonatal Intensive Care Unit (NICU) Growing Care Unit (GCU)		Obstetrics and Gynecology Perinatal Maternal and Child Center
4F	Neurosurgery Dermatology Clinical Research Promotion and Support Center Himawari Classroom Keyaki Classroom		Cardiovascular Internal medicine Cardiovascular surgery
3F	Intensive Care Unit (ICU) Central Surgery		Psychiatry
2F	Division of Infection Control and Prevention Division of Blood Transfusion		Urology Diabetes/Endocrinology Geriatric medicine
1F	Diagnostic Radiology Department Radiotherapy Department Dental and Oral surgery Barber		Emergency department Emergency section Emergency Outpatient Endoscopy and Ultrasound Center
B1	Medical Information Department Computer room Radiotherapy Center Central Materials Department SPD Center		Clinical Engineering Center



# 〈Number of Patients (Admitted and Outpatient) by Department〉 FY2014

Department	Admitted		Outpatient	
	Total number	Average number of patients per day	Total number	Average number of patients per day
Gastroenterology	13,830	38	19,464	80
Neurology	2,165	6	4,773	20
Cardiovascular Internal medicine	9,977	27	16,220	66
Respiratory medicine	5,924	16	6,112	25
Hematology	12,602	35	5,689	23
Nephrology	1,205	3	2,316	9
Rheumatology	1,658	5	6,783	28
Diabetes and Endocrinology	3,642	10	16,076	66
Geriatrics	0	0	0	0
Gastroenterological surgery	9,011	25	4,533	19
Respiratory surgery	4,524	12	2,069	8
Esophageal surgery	6,218	17	2,076	9
Mammary gland/Endocrinology	1,972	5	4,616	19
Cardiovascular surgery	10,026	27	2,527	10
Neurosurgery	8,911	24	7,250	30
Pediatric surgery	1,198	3	1,703	7
Pediatrics	9,672	26	7,875	32
Obstetrics	5,189	14	5,125	21
Gynecology	5,801	16	15,206	62
Psychiatry	10,529	29	18,410	75
Orthopedics	13,623	37	15,541	64
Dermatology	6,036	17	17,816	73
Urology	12,156	33	14,777	61
Ophthalmology	8,563	23	16,712	68
ENT	11,935	33	15,376	63
Diagnostic Radiology	118	0	1,106	5
Radiotherapy	2,107	6	3,476	14
Anesthesiology	0	0	1,174	5
Rehabilitation	0	0	0	0
Oncology	2,249	6	1,572	6
Emergency	290	1	2,546	10
Division of Clinical Pathology	0	0	0	0
Dental and Oral surgery	4,030	11	12,277	50
Total	185,161	507	251,196	1,029

# 〈Average number of patients per day by year〉



# 〈Central Examination Facilities〉

- Central Testing department ● Central Surgery department
- Central Radiology department ● Central Materials department
- Intensive Care Unit ● Emergency department
- Transfusion department ● Rehabilitation department
- Medical Information department ● Blood Purification Therapy department
- Central Medical History department
- Perinatal Maternal and Child Center ● Pathology department
- Comprehensive Exam department
- Clinical Research Promotion and Support Center ● Clinical Engineering Center
- Transplant Testing Center ● Center for Medical Education and Training
- Career Support Center for Doctors
- Endoscopy/Ultrasound Center ● Genetic Medicine department
- Oncology Information Center ● Center for Community Healthcare Patient Support
- Center for Cancer Patient Support ● Chemotherapy department
- Palliative Care Center ● Psychosomatic Center ● Nutrition Management department
- Hepatic Disease Consultation Center ● Medical Doctor Support Center
- Center for Kidney Disease and Transplantation
- Medical Safety Management department
- Infection Control unit
- Pharmaceutical department
- Nursing department



Helipad and Multistory parking lot

# Mining Museum



## 〈Admission〉

- Opening Hours/9:00a.m. – 4:00p.m.
- Closed/Year end and New Year's (December 26 – January 5)
- Admission fee/ <Adults> 100 yen  
<High school students and younger> Free

## 〈2015 Events at the Mining Museum〉

### ● Junior Science School

<Date> End of July (2 days)

<Participants> 6 graders in elementary school

### ● Mining Museum Exhibition

Yamamoto Sakubei and Chikuho Coal Mine

<Date> Late April - June

<Place> Mining Museum



First floor exhibition  
Apophyllite (India, Jalgon)



Explanation from a science volunteer



Museum shop



FY2014 Junior Science School  
"A journey to find earth's hidden treasures - extracting minerals and making samples"



Central Hall



# Affiliated School and Facilities for Education and Research

As of May 1, 2015



〈Faculty of Education and Human Studies〉

## ● Affiliated School Grounds

Category		Total Capacity	Number of Classes	Number of Actual Students						
				Grade1	Grade2	Grade3	Grade4	Grade5	Grade6	Total
Kindergarten	2-year childcare	62	5	—		〈4year-old〉 11		〈5year-old〉 36		47
	3-year childcare	72		〈3year-old〉 32		〈4year-old〉 20		〈5year-old〉 21		73
Elementary School		651	18	95	96	89	91	88	94	553
Junior High School		480	12	145	145	143	—			433
Special Support School	Elementary School Department	18	3	6		5		6		17
	Junior High School Department	18	3	6	7	7	—			20
	High School Department	24	3	10	10	8	—			28



〈Faculty of Education and Human Studies〉

## ● University Center for Educational Research and Practice

### 【Facility Purpose】

Promote comprehensive research regarding practical education in learning environments and clinical pedagogy, etc.

### 【Research Sections】

School Education Research Section, Teacher Development Research Section, Clinical Education Research Section, School Liaison Office, Career Support Office for Teachers, Clinical Psychology Consultation Room

〈Graduate School of Medicine〉

## ● Center for Aging in Place

### 【Center's Goals】

Akita has the highest aging population rate in Japan. This center aims to apply the University's educational and research resources and its commitment to regional social contributions to realize a comprehensive community care system (one that allows the patient to receive care in a way and place of their choosing, for as long as required).

### 【Center's Activities】

Provides on-the-job education and training for nurses, care workers, and care managers, and SP volunteer training to strengthen educational foundations (starting FY2016). As part of the University's social contributions to the region, the center holds various lectures including educating helpers for dementia sufferers, and creating a hospital in the home (since FY2015).

〈Graduate School of Engineering and Resource Science〉

## ● Research Center for Development of Disaster Prevention

### 【Facility Purpose】

Promote research that will contribute to the prevention and mitigation of natural disasters and contribute to forming a safe and secure local community through supporting and researching the prevention and mitigation of local disasters

### 【Research Sections】

Earthquake disaster section, Tsunami disaster section, River disaster section, Landslide disaster section, Volcanic disaster section, Information and planning section

〈Faculty of International Resource Sciences〉

## ● Mining Museum

### 【Facility Purpose】

- Conduct education, research, and investigations regarding the mining industry
- Collect, preserve, and display museum resources related to the mining industry

- Material samples: approximately 20,000
- Total samples: approximately 3,300

〈Faculty of Medicine〉

## ● University Hospital

### 【Facility Purpose】

Conduct medical education and research through providing patients with healthcare

- 33 Medical departments
- 613 Hospital beds



〈Graduate School of Engineering and Resource Science〉

## ● Innovation Center for Engineering Design and Manufacturing

### 【Facility Purpose】

Promote actual manufacturing and hands-on learning and to nurture innovative engineers and contribute to the local community through seminars on manufacturing and scientific technology

### 【Center Activities】

Student-centered projects, Manufacturing classes for children, Manufacturing classes for adults, License lectures, Manufacturing lecture series, Noshiro Space Event, Akita Space Consortium, Manufacturing supply center



〈Faculty of Medicine〉

## ● University Hospital Medical Simulation Center

### 【Facility Purpose】

Established in a joint cooperation by Akita Prefecture and Akita University to further develop the skills of the medical staff in Akita Prefecture with an emphasis on "medical simulation education," which is the new foundation for Akita Prefecture's healthcare.

- 1<sup>st</sup> floor: TV Seminar Room, Medical Image Diagnostic Study Room
- 2<sup>nd</sup> floor: First-aid lab, Basic Clinical Techniques lab
- 3<sup>rd</sup> floor: Surgery Training room, Surgery Techniques lab, OB/GYN lab, Specialized Clinical Techniques lab



〈Graduate School of Engineering and Resource Science〉

## ● Research Center for Engineering Science

### 【Facility Purpose】

Conduct research based on the integration of science and engineering in the fields of environment, energy, materials, etc. that can be presented globally and contribute to society locally

### 【Areas of Research for Visiting Professors】

Magnetic Materials and Magnetometry; Environmental Inorganic Materials; Process of Functional Thin Film Deposition; High Temperature Physical Chemistry; Biology and Biochemistry; Earth Sciences, Mineralogy and Environment; Water Resources and Environmental Geology; Atomic Force Microscope; Petrology and Isotopic Chemistry; Supra Molecular Chemistry

# University Common Use Facilities



## ●Research Center for Biosignal

### [Purpose of Establishment]

Conduct unique research activities involving the biological information molecules of lipids, proteins, nucleic acids, etc., cooperate organically with similar Japanese and foreign organizations (forexample Gunma University) and maintain an environment for an open science and technology dialog with the Japanese people, continuously share the research results obtained at this school with the community and the world.



## ●Information Integration Center

### [Facilities and Equipment]

- Educational PCs (total 378): PC study rooms 1-5, PC study rooms A/B, Hondo PC study room, Group study corner, Scanner corner, Multilingual corner
- Information services: Web mail, Large-size printer, Large-scale computing server (Express5800/A1080a-D), Virtual server hosting(Express/B120b-d)
- Information network : LAN cable (1-4 Gbps to the floor switch), Wireless LAN, Connection network outside the university (1 Gbps)



## ●Venture Business Laboratory

### [Facilities and Equipment]

- New recycling technique and assessment system: Particle size and surface potential analyzer, Ion chromatograph, Measuring microscope, Scanning probe microscope, ICP emission spectrometer, Differential thermal balance, Disk-type manual grinder, Roll-type magnetic separator, Laser date electrometer, ERIEZ nonferrous metal sorter, Vacuum arc melting furnace, etc.
- High-function material planning and assessment systems: Field Emission Scanning Electron Microscope, Multilayer film production device, Multiple alloy film production device, Scanning electron microscope, High vacuum scanning probe microscope, High sensitivity magnetization measurement device, High vacuum heat treatment apparatus, Thin film x-ray diffraction apparatus, Powder x-ray diffraction apparatus, Magnetic storage material analysis and evaluation system



## ●Bioscience Education and Research Center

### [Facilities and Equipment]

- Animal Center: [Small animals section] SPF animal housing rooms (16 rooms), clean animal housing rooms (9 rooms), procedure rooms (4 rooms) [Mid-Large animals sections] SPF animal housing room (1 room), clean animal housing room (1 rooms), Conventional Breeding Lab (4 Labs), procedure rooms (4 rooms), X-ray room, etc. [Special Experiment section] Infectious animal procedure room, chemical hazard procedure room, etc.
- Radioisotope Laboratory: [Management Equipment] comprehensive radiation control system and various survey meters [Procedure Equipment] various centrifuges, 2 GeneAmp PCR Systems [Measurement Equipment] 2 liquid scintillation counters [Modified Genetics Procedure Equipment] rotating incubator, Safety cabinets etc.
- Department of Molecular Medicine: Transmission electron microscope, various spectrophotometers, gene transferring equipment, DNA sequencer, DNA amplification equipment, flow cytometer, confocal laser scanning microscope, High-Performance liquid chromatography/mass spectrometry etc.
- Department of Education and Research Liaison
- Department of Welfare and Medical Engineering



## ●Radioisotope Research Center

### [Facilities and Equipment]

- Unsealed source experiment area: -10°C and 4°C experiment laboratories: 3 fume hoods and 1 biosafety cabinet, liquid scintillation counter, tritium gas measuring and experiment equipment, various scalers, survey meters and plate analyzers
- Sealed source experiment area: Multi-channel ray spectrometer, high-performance liquid chromatograph mass spectrometer, image analyzer, horizontal x-ray diffractometer

16 types of unsealed sources and 5 types of sealed sources are available for use.



## ●Environmental Research Center

### [Facilities and Equipment]

- Waste Treatment Building: inorganic waste – ferritization processing, organic waste/hazardous solid waste – spray combustion/incineration, mercury, cyanide waste – oxidative decomposition and absorption processing, fluorine-phosphoric acid-based waste – calcification processing, COD waste – Fenton treatment
- Experiment and Analysis Building: Gas chromatograph/ mass spectrometer, gas chromatograph, atomic absorption spectrophotometer, liquid chromatograph, X-ray analysis equipment, other necessary equipment



# for Education and Research



## ● Venture Incubation Center

### 【Facilities and Equipment】

(Equipment implemented at the Akita Industry Academia and Government Cooperative Research Center installed in the Center)

Ultrapure water production system, fume hood, microwave sample pretreatment system, ultra-high resolution field emission scanning electron microscope, carbon, hydrogen, nitrogen, sulfur, oxygen fully automated analyzer, flame/furnace high-resolution continuum source atomic absorption spectrometer, elemental analyzer, high-resolution nuclear magnetic resonance spectrometer (600MHz), x-ray photoelectron spectrometer, micro-focus x-ray CT fluoroscopy equipment, mercury porosimeter, ultra-high performance liquid chromatographic system, light scattering GPC molecular weight measurement device, Terahertz spectral measurement device, bipolar power supply, activated sludge treatment equipment, spray dryer equipment, specific surface area and pore size distribution measuring apparatus, catalyst analyzer, real-time PCR system, multi-label counter, rotational viscometer, quadrupole – flight time MS/MS analysis system, gas absorption measuring equipment, modular electrochemical measurement system, confocal laser scanning microscope, matrix-assisted laser desorption ionization flight time mass spectrometer bio-clean bench

## ● Cooperative Research Center

### 【Purpose of Establishment】

Advance joint research with extra university organizations to develop Akita University's education and research level. Promote to share intellectual property and intellectual property within the community from the research results. Contribute to the technological development and technological development promotion in society.

## ● International Center for Research and Education on Mineral and Energy Resources

### 【Purpose of Establishment】

Train advanced resource development professionals with a global perspective, and contribute to the establishment of Japan's resource security and stable resource-supply system. Create an international resource network for further international exchange and global contributions.

## ● Center for Regional Development

### 【Purpose of Establishment】

From the view of the knowledge creation for the community revitalization, it offers proper advice for residents' various activities. Also, by learning from the community, we enhance our quality and to realize a virtuous cycle.

# Center for Education and Research

	Purpose of Establishment
<b>Center for Evaluation</b>	<ul style="list-style-type: none"> <li>● To support self-evaluation, assessment activities, and the effort to improve the student experience at Akita University</li> <li>● To research and develop student/faculty evaluation systems</li> </ul>
<b>Center for Promotion of Educational Research and Affairs</b>	<ul style="list-style-type: none"> <li>● To promote the structure and educational activities of an education system centered on a fundamental core curriculum education</li> <li>● To improve and enhance fundamental core curriculum education and specialized education through investigation, research, and development</li> </ul>
<b>Student Support Center</b>	<ul style="list-style-type: none"> <li>● To provide student-life support to students through various types of consultation, and financial aid through tuition waivers, scholarship, and award recommendations.</li> <li>● To provide support for extracurricular activities such as the university festival, and to promote the maintenance and improvement of extracurricular activity facilities</li> <li>● To provide career selection guidance and support career search activities by providing career-related information, etc.</li> </ul>
<b>Center for Teaching License Extension</b>	<ul style="list-style-type: none"> <li>● To plan and execute training for educators who need to extend their teaching license</li> <li>● Liaise with prefectural boards of education, universities, and other education organizations</li> </ul>
<b>International Exchange Center</b>	<ul style="list-style-type: none"> <li>● Planning and advertising activities related to international exchange</li> <li>● To promote international scholarly exchange</li> <li>● To promote international educational exchange</li> </ul>

# Technological Organization

	Purpose of Establishment
<b>General Technology Section</b>	<ul style="list-style-type: none"> <li>● To provide campus-wide technological support for educational research activities</li> <li>● To maintain and develop the expertise of the engineering faculty as a common asset of the university, and to improve those capabilities and qualities and to ensure excellent tech support.</li> </ul>

# Welfare Facilities

Facility	Major information			
<b>Health Center</b>	Student consultation room, relaxation room, examination room, treatment room, x-ray room, auditory testing room, ECG room, counseling room, testing lab, Director's office, Associate Professors' office, office, equipment room			
<b>University Hall (Clair) (Tegata Campus)</b>	<ul style="list-style-type: none"> <li>1st floor/Management office, cafeteria, kitchen, café, food and "bento" corner, amenities corner, part-time job center</li> <li>2nd floor/Training rooms (1,2,3), Japanese style rooms (Ajisai, Rindo), meeting room, school store and travel corner</li> </ul>			
<b>Hondo Hall (Medikoko) (Hondo Campus)</b>	<ul style="list-style-type: none"> <li>1st floor/Cafeteria, kitchen, kiosk, office, storage</li> <li>2nd floor/Training room, consultation room, large meeting room, small meeting room, Japanese style room, supply closet</li> </ul>			
<b>Student Dormitories</b>	Category	Tegata Dorm (women only) (excluding international students)	Hondo Dorm (women only) (excluding international students)	Nishiyachi Dorm (men only) (including international students)
	Total Building Area	745㎡	1,121㎡	3,170㎡
	Number of Rooms	40	31	130
	Maximum Capacity	40	31	130
<b>International House</b>	<ul style="list-style-type: none"> <li>Rooms/Individual rooms (28 rooms for international students, 5 rooms for international researchers), family rooms (2 rooms for international researchers), couples' rooms (3 rooms for international researchers)</li> <li>Management related/Management office, maintenance room, storage</li> <li>Common rooms/ All-purpose hall, meeting room, laundry room</li> </ul>			
<b>International Student House</b>	<ul style="list-style-type: none"> <li>Rooms/Individual rooms (27 rooms), couple rooms' (3 rooms)</li> <li>Management related/Office, machine room, storage</li> <li>Common rooms/Meeting room, Japanese style room, laundry room</li> </ul>			
<b>Nyuto Lodge</b>	<ul style="list-style-type: none"> <li>Cafeteria, training room</li> <li>Bathing facilities (male / female)</li> <li>Accommodations/ 3 Japanese style rooms, 2 Western rooms (30 person capacity)</li> </ul>			



University Hall (Clair)  
(Tegata Campus)



Nishiyachi Dorm



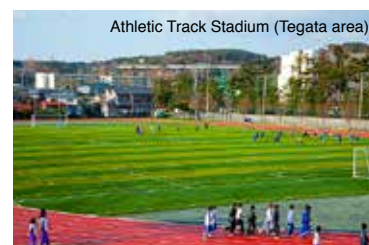
International House



International Student House

# Sports Facilities

Facility	Area (㎡)			Comments
	Tegata area	Hondo area	Hodono area	
<b>Athletic Track Stadium</b>	24,637	} 20,909	—	400m / 6 courses, main/8 courses
<b>Baseball field</b>	20,378		—	—
<b>Sports field</b>	Used jointly with the Athletic Track, artificial turf	Used jointly with the Athletic Track	—	soccer, rugby (Hondo area has soccer, rugby, archery, soft baseball)
<b>Handball court</b>	—	—	—	—
<b>Large gymnasium</b>	2,591	1,079	3,588	basketball, volleyball, badminton, judo, kendo, etc. (Hondo area has volleyball, badminton, basketball, table tennis, futsal)
<b>Small gymnasium</b>	750	—	—	gymnastics, table tennis, karate, etc.
<b>Martial arts gymnasium</b>	—	—	373	judo, kendo
<b>Archery field</b>	149	—	—	—
<b>Tennis courts</b>	(5courts) 3,238	(5courts) 3,614	—	—
<b>Swimming Pool(25m)</b>	800	—	—	7courses
<b>Exercise ground</b>	—	—	14,923	—



Athletic Track Stadium (Tegata area)



Gymnasium (Tegata area)



# Tokyo Satellite Office

The “Akita University Tokyo Satellite” campus acts as a base to: 1. provide information to university hopeful students; 2. promote cooperation among industry, academia, and the government and to conduct activities related to strengthening that cooperation; 3. to act social contribution in the Greater Tokyo area.

## 〈Responsibilities〉

### 1. Provide information to potential students

- Offer the entrance exam orientations, entrance exam information to high schools, visit area schools

### 2. Support cooperative activities among industry leaders, academia, and government

- Act as the consultation window for joint research and science and technology
- Provide academic information, seeds of technology
- Hold academic meetings such as symposiums, conferences and research groups
- Introduce researchers and their research results

### 3. Support social contribution activities

- Hold lectures and seminars

### 4. Support Career Search Activities

- Accept applications for job offers from companies
- Provide students with job information

### 5. Support alumni activities

- Provide alumni with university related information

- **Location** 108-0023 3-3-6 Shibaura, Minato-ku, Tokyo-to
- **Telephone / FAX** 03-5440-9104
- **Homepage** <http://www.akita-u.ac.jp/honbu/satellite/>



Campus Innovation Center

# Yokote Branch School, Kita Akita Branch School, Oga Namahage Branch School

The Yokote city, Kita Akita city and Oga Namahage city branch schools have been established in an effort to disseminate information from Akita University throughout the prefecture and have a closer cooperative relationship with local communities.

## Yokote Branch School

〈Opened August 5, 2009〉

- Programs are implemented in an effort to encourage student participation in community activities (for example, making *iburigakko*, a smoked pickle famous in Akita), and to resolve community issues.
- Cooperative programs with elementary, junior high, and high schools are promoted at this site, such as the “Mini Education Practicum,” for students are hoping to become teachers.

- **Contact**  
013-0036 1-21Ekimae-cho, Yokote-shi  
Yokote City Exchange Center Y2 (Y-Y) Plaza
- **TEL** 0182-38-8304
- **FAX** 0182-32-4056

## Kita Akita Branch School

〈Opened November 17, 2010〉

- Offers and implements the “Learning from the traditional landscape ~ rice cultivation for heart, mind and nature” program which covers all aspects of traditional rice cultivation, from the reconstruction of terraced rice fields right through to the final harvest.
- Offers science classes for elementary and junior high school students.

- **Contact:** 018-3392 19-1 Hanazono-cho, Kita Akita-shi Kita Akita City Hall, General Affairs Department, General Affairs Section, General Affairs Group
- **TEL** 0186-62-1111
- **FAX** 0186-63-2586

## Oga Namahage Branch School

〈Opened September 30, 2013〉

- Making efforts to raise the level of local education through projects that utilize students’ will for self-study and self-learning for children, and organized visits to the Faculty of Medicine.
- Making efforts towards community revitalization through increasing the number of people who visit the area by inviting university cultural and athletic clubs in the Greater Tokyo area to hold overnight camps in the area.

- **Contact**  
010-0595 66-1 Izumidai, Funagawa, Funagawaminato, Oga-shi  
Oga city General Affairs Planning Department Strategic Planning Section
- **TEL** 0185-24-9126
- **FAX** 0185-23-2424

# Information Center

Here, we display our current education and research projects including regular exhibitions on the works of our prominent graduates, (for example Tamezo Narita and Keishi Nagi). Also, various events and concerts are held by current students and faculty members.

## 〈Admission Information〉

- Opening Hours/10:30 a.m. – 5:00 p.m.
- Opening Days/Weekdays only (Entrance is free)



Information Center Exterior



Students in the Open Space

## 〈Main Items on Permanent Display〉

### ● Introduction of Graduates



#### Tamezo Narita

A graduate of the Akita Prefecture Normal School (predecessor to the Faculty of Education and Human Studies). He left more than 300 outstanding songs to the world such as "Song of the Beach" and the "Akita Prefectural Song." Surviving records show that he began seriously studying composition while attending the Akita Prefecture Normal School.



#### Keishi Nagi

A member of the second graduating class of the Akita University Faculty of Medicine. He continues to work as a doctor at the Saku General Hospital in Nagano prefecture as well as authors books. His works include *Medical Student*, whose stage is set at the newly established Akita University Faculty of Medicine, and portrays the worries and conflicts of its main characters, 4 young medical students, and *Diamond Dust*, which was the winner of the 100th Akutagawa award.



#### Tokiko Matsuda

Educated at Akita Women's Teacher Training Institute (now Department of Education and Human Studies), Tokiko Matsuda is a well published author and her 1966 novel "Orin Kuden", a series based on the life of her mother and the people of Arakawa mine, received the 8th Tamura Toshiko Award in 1968.



#### Masatatsu Abe

A graduate of the Graduate School of Engineering and Resource Science Department, Masatatsu Abe is a true adventurer, always heading wherever his dreams may lead. Whilst still a student, his adventures included crossing South America on a bicycle and going down the Amazon river on a raft! Currently he is working towards his 1500km solo run across Antarctica.

## 〈Major Projects and Concerts〉



Lectures from former graduates



Christmas Concert



University Clubs' Exhibitions



# Information

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- Historical Sketch
- Academic Organization
- Student Quota, Current Student Data
- New Student Application and Entrant Data
- Graduate Data
- Degree Conferral Data
- International Student Data
- International Researcher Data
- Overseas Partner Universities
- Administrator Data/ Instructor Data
- Budget for FY2015
- Accepted External Funding Status
- Telephone Numbers and Addresses
- Tegata Campus Map
- Hondo Campus Map/Hodono Campus Map
- Access

# Historical Sketch



## ● 100th Anniversary Hall (Constructed October 2012)

Built to commemorate the 100th anniversary of the founding of the Faculty of Engineering Resources  
Its exterior inherits the Akita Mining College building, the predecessor to Akita University

September 1873  
Akita Denshu School

May 1874  
Akita Taihei School

April 1878  
Akita Prefecture Normal School

December 1878  
Akita Normal School

May 1880  
Akita Women's  
Normal School

August 1886  
Akita Prefecture Jinjyo Normal School

April 1898  
Akita Prefecture Normal School

April 1909  
Akita Prefecture Women's  
Normal School

April 1943  
Akita Normal School (National)

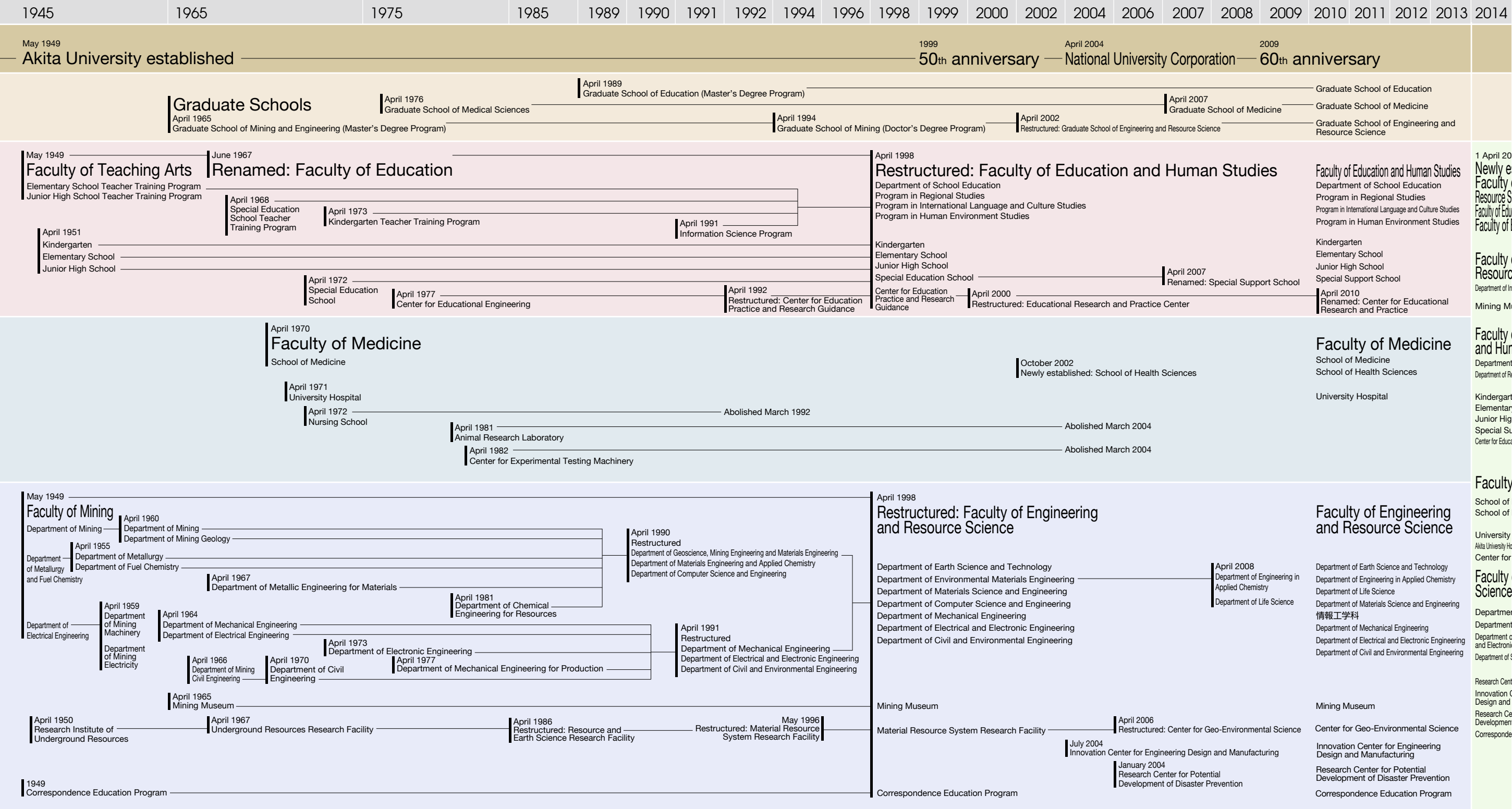
March 1910  
Akita Mining College  
(National)

April 1944  
Akita Youth Normal School (National)

April 1935  
Akita Prefectural Youth School  
Teacher Training School

March 1924  
Akita Prefectural Technical  
Continuation School  
Teacher Training School





**College of Allied Medical Science**  
(April 1989 – March 2007)

- Department of Physical Therapy, Department of Occupational Therapy (separated and expanded April 1990) [Department of Nursing (October 1989)]

**Non-degree Post-graduate Courses**

- Advanced Course of Mining (April 1954 – March 1965)
- Advanced Course of Education (April 1965 – March 1989)
- Special Advanced Course of Special Education (April 1980 – March 2008)

**University Common Use Facilities for Education and Research**

- Cooperative Research Center (November 2007) [Intellectual Property Headquarters (April 2004) + Regional Cooperative Research Center (January 1989)]
- General Information Processing Center (April 2003) [Information Processing Center (January 1989)]
- Venture Business Laboratory (April 2003) [Satellite Venture Business Laboratory (May 2001)]
- Bioscience Education and Research Center (April 2004) –Radioisotope Research Center (June 1974)
- Environmental Research Center (April 2004) –International Center for Research and Education on Mineral and Energy Resources (October 2009)
- Venture Incubation Center (April 2010)
- Center for Regional Development (April 2011) –Research Center for Biosignal (April 2012)

**Centers for Education and Research**

- Center for Evaluation (April 2004)
- Center for Promotion of Educational Research and Affairs (April 2004)
- Center for Teaching License Extension (April 2009)
- Student Support Center (April 2004)
- International Exchange Center (February 2008) [Organization for the Promotion of International Exchange (April 2004)]
- \*Organization for the Promotion of Social Contribution (April 2004 – March 2009)

- University Library (May 1949)
- University Health Center (April 1974)

1 April 2014  
Newly established:  
Faculty of International  
Resource SciencesRestructured:  
Faculty of Education and Human Studies,  
Faculty of Engineering Science

**Faculty of International  
Resource Sciences**  
Department of International Resource Sciences

Mining Museum

**Faculty of Education  
and Human Studies**  
Department of School Education  
Department of Regional Studies and Humanities

Kindergarten  
Elementary School  
Junior High School  
Special Support School  
Center for Educational Research and Practice

**Faculty of Medicine**  
School of Medicine  
School of Health Sciences

University Hospital

**Faculty of Engineering  
and Resource Science**

Department of Earth Science and Technology  
Department of Engineering in Applied Chemistry  
Department of Life Science  
Department of Materials Science and Engineering  
情報工学科  
Department of Mechanical Engineering  
Department of Electrical and Electronic Engineering  
Department of Civil and Environmental Engineering

Mining Museum

Center for Geo-Environmental Science

Innovation Center for Engineering  
Design and Manufacturing

Research Center for Potential  
Development of Disaster Prevention

Correspondence Education Program

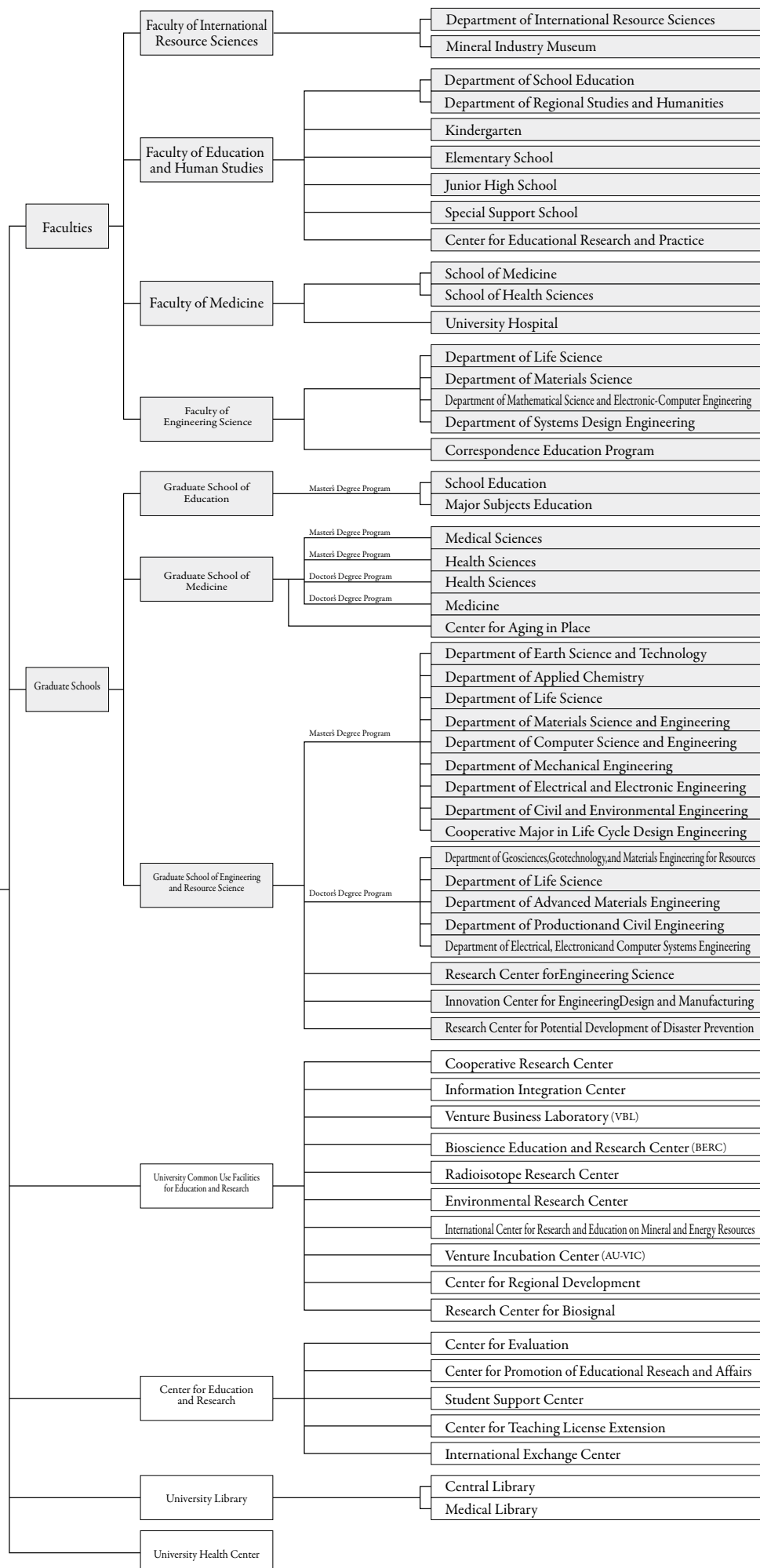
Research Center for Engineering Science  
Innovation Center for Engineering  
Design and Manufacturing  
Research Center for Potential  
Development of Disaster Prevention  
Correspondence Education Program





# Academic Organization

Akita  
University



## <Faculties>

As of 1 May 2015

Faculty	Department/Program	Max. Enrollment Capacity	Max. Student Capacity	Current Students						Total
				Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Faculty of International Resource Sciences	Department of International Resource Sciences	120	240	130	119					249
	Total	120	240	130	119					249
Faculty of Education and Human Studies	Department of Social Education	110	420	116	118	112	114			460
	Department of Regional Studies and Humanities	100	200	102	102					204
	Program in Regional Studies		130			69	70			139
	Program in International Language and Culture Studies	*1	130			72	77			149
	Program in Human Environment Studies		120			64	69			133
	Total	210	1,000	218	220	317	330			1,085
Faculty of Medicine	School of Medicine	(5) 124	748	130	127	123	128	129	123	760
	School of Health Sciences	(14) 106	452	113	116	109	117			455
	Total	(5) 230 (14) 230	1,200	243	243	232	245	129	123	1,215
Faculty of Engineering Science	Department of Life Science	45	90	46	41					87
	Department of Materials Science	110	220	115	110					225
	Department of Mathematical Science and Electronic-Computer Engineering	120	240	134	124					258
	Department of Systems Design Engineering	120	240	134	128					262
	Total	395	790	429	403					832
Faculty of Engineering and Resource Science	Department of Earth Science and Technology	*2	120	1	10	61	60			132
	Department of Environmental Materials Engineering	*1								
	Department of Applied Chemistry		110	1	3	65	55			124
	Department of Life Science		64	1	4	28	32			65
	Department of Materials Science & Engineering		120	1	4	74	50			129
	Department of Computer Science and Engineering	*2	100	1	2	60	59			122
	Department of Mechanical Engineering		154	2	8	88	92			190
	Department of Electrical and Electronic Engineering		150		7	88	88			183
	Department of Civil and Environmental Engineering		102		2	59	64			125
	Common Subjects	12	24							
	Total	(12)	944	7	40	523	500			1,070
Total		(5) 955 (26) 955	4,174	1,027	1,025	1,072	1,075	129	123	4,451

\*Numbers in ( ) represent third-year transfer students and are not included in the tally. \*Numbers in < > represent second-year transfer students and are not included in the tally.

## <Graduate Schools>

As of 1 May 2015

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students				Total
				Master's Degree Program				
				Year 1	Year 2			
Graduate School of Education	School Education	13	26	9	11		20	
	Major Subjects Education	31	62	17	27		44	
	Total	44	88	26	38		64	
School	Department	Max. Enrollment Capacity	Max. Student Capacity	現 員				Total
				Master's Degree Program				
				Year 1	Year 2			
Graduate School of Medicine	Medical Sciences	5	10	1	3		4	
	Department	Max. Enrollment Capacity	Max. Student Capacity	Master's Degree Program			Total	
				Year 1	Year 2			
	Health Sciences	12	24	11	17		28	
	Department	Max. Enrollment Capacity	Max. Student Capacity	Doctor's Degree Program			Total	
				Year 1	Year 2	Year 3		
	Health Sciences	3	9	3	3	6		12
	Department	Max. Enrollment Capacity	Max. Student Capacity	Doctor's Degree Program				Total
				Year 1	Year 2	Year 3	Year 4	
Medicine	30	120	20	41	32	69	162	
Total		50	163					206
School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students				Total
				Master's Degree Program				
				Year 1	Year 2			
Graduate School of Engineering and Resource Science	Department of Earth Science and Technology	17	34	22	17		39	
	Department of Environmental Materials Engineering	*1			1		1	
	Department of Applied Chemistry	20	40	28	22		50	
	Department of Life Science	12	24	15	11		26	
	Department of Materials Science and Engineering	23	46	28	26		54	
	Department of Computer Science and Engineering	16	32	16	16		32	
	Department of Mechanical Engineering	26	52	25	35		60	
	Department of Electrical and Electronic Engineering	30	60	24	25		49	
	Department of Civil and Environmental Engineering	11	22	7	6		13	
	Cooperative Major in Life Cycle Design Engineering	12	24	11	8		19	
	Total	167	334	176	167	343		
	Department	Max. Enrollment Capacity	Max. Student Capacity	Doctor's Degree Program			Total	
				Year 1	Year 2	Year 3		
	Department of Geosciences, Geotechnology, and Materials Engineering for Resources	4	12	8	9	4		21
	Department of Life Science	3	6	0	2			2
	Department of Advanced Materials Engineering	3	10	3	1	1		5
Department of Production and Civil Engineering	3	10	1	2	7	10		
Department of Electrical, Electronic and Computer Systems Engineering	3	10	1	4	2	7		
Total	16	48	13	18	14	45		
Total		183	382					388
Grand Total		277	633					658



# New Student Application and Entrant Data

## 〈Faculties〉

2015 school year

Section	Max. Enrollment Capacity	Applicants			Entrants			Ratio
		Male	Female	Total	Male	Female	Total	
Faculty of International Resource Sciences	120	327	118	445	84	36	120	3.71
Faculty of Education and Human Studies	210	439	505	944	90	126	216	4.50
Faculty of Medicine	230	524	638	1162	98	136	234	5.05
Faculty of Engineering Science	395	1276	306	1582	329	75	404	4.01

\*Does not include international exchange students (except for the Faculty of International Resource Sciences). Also does not include transfer students.

## 〈Graduate Schools〉

2015 school year

Section			Max. Enrollment Capacity	Applicants			Entrants			Ratio
				Male	Female	Total	Male	Female	Total	
Graduate School of Education (Master's Degree Program)			44	21	20	41	14	12	26	0.93
Graduate School of Medicine	Master's Degree Program	Medical Sciences	5	0	1	1	0	1	1	0.20
	Master's Degree Program	Health Sciences	12	7	4	11	7	4	11	0.92
	Doctor's Degree Program	Health Sciences	3	4	2	6	3	0	3	2.00
	Doctor's Degree Program	Medicine	30	16	4	20	16	4	20	0.67
Graduate School of Engineering and Resource Science (Master's Degree Program)			167	176	16	192	146	14	160	1.15
Graduate School of Engineering and Resource Science (Doctor's Degree Program)			16	4	2	6	4	2	6	0.38

\*Does not include Japanese government scholarship foreign exchange students or specially selected foreign exchange students.

# Undergraduate and Graduate School Graduate Data

## <Faculties, Graduate Schools, and Post-graduate Non-degree Courses>

Faculties			Graduate Schools			Post-graduate Non-degree Courses	
Section	2014 School Year	Total	Section	2014 School Year	Total	Section	Total
Faculty of Education and Human Studies	299	4,153	Graduate School of Education	24	825	Advanced Course of Education	78
Faculty of Education		14,519				Special Advanced Course of Special Education	212
Faculty of Medicine	207	4,846	Graduate School of Medicine (Master's Degree Program)	0	57		
			Graduate School of Medicine (Master's Degree Program)	14	58		
			Graduate School of Medicine (Doctor's Degree Program)	4	14		
			Graduate School of Medicine (Doctor's Degree Program)	25	102		
			Graduate School of Medicine		791		
Faculty of Engineering and Resource Science	484	6,480	Graduate School of Engineering and Resource Science (Master's Degree Program)	120	1,687	Advanced Course of Mining	58
			Graduate School of Engineering and Resource Science (Doctor's Degree Program)	9	107		
Faculty of Mining		14,522	Graduate School of Mining (Master's Degree Program)		1,270		
			Graduate School of Mining (Master's Degree Program)		1,012		
			Graduate School of Mining (Doctor's Degree Program)		123		
Total	990	44,520	Total	196	6,850	Total	348

\*Advanced Course of Mining abolished March 1965 \*Advanced Course of Education abolished March 1989 \*Graduate School of Mining (Master's Degree Program) abolished March 1997 \*Faculty of Education restructured/renamed to Faculty of Education and Human Studies in April 1998 \*Faculty of Mining restructured/renamed to Faculty of Engineering and Resource Science in April 1998 \*Graduate School of Mining restructured/renamed to Graduate School of Engineering and Resource Science in April 2002 \*Special Advanced Course of Special Education abolished March 2008 \*Graduate School of Medical Science restructured/renamed Graduate School of Medicine in April 2007

## <College of Allied Medical Science>

Section	Department of Nursing	Department of Physical Therapy	Department of Occupational Therapy
Total	1,015	246	254

\*College of Allied Medical Science abolished March 2007

As of 1 May 2015

# Degree Conferal Data

Section		2010	2011	2012	2013	2014	Total
Graduate School of Education	Master's Degree (Education)	30	24	29	34	24	825
	Master's Degree (Medical Sciences)	4	4	4	0	0	20
Graduate School of Medicine	Master's Degree (Nursing)	10	5	5	6	6	47
	Master's Degree (Rehabilitation)	6	7	5	7	8	48
	Doctor's Degree (Health Sciences) (Course)		3	4	3	4	14
	Doctor's Degree (Medicine) (Course)	12	19	23	24	25	104
	Doctor's Degree (Medicine) (Thesis)	1	2	1	4	3	23
	Total	33	40	42	44	46	256
	Doctor's Degree (Medicine) (Course)	8	6	4	3		806
Graduate School of Medicinal Science	Doctor's Degree (Medicine) (Thesis)	0	0	0	0		574
	Total	8	6	4	3		1,380
	Master's Degree (Engineering)	142	168	159	134	101	1,639
Graduate School of Engineering and Resource Science	Master's Degree (Resource Science)	3	0	4	3	6	27
	Master's Degree (Science)				8	13	21
	Doctor's Degree (Engineering) (Course)	12	11	10	10	8	104
	Doctor's Degree (Resource Science) (Course)	0	1	0	0	1	3
	Doctor's Degree (Engineering) (Thesis)	1	0	0	2	0	10
	Doctor's Degree (Resource Science) (Thesis)	0	0	0	0	0	1
	Total	158	180	173	157	129	1,805
	Master's Degree (Engineering)						2,252
Graduate School of Mining	Master's Degree (Resource Science)						30
	Doctor's Degree (Engineering) (Course)						117
	Doctor's Degree (Resource Science) (Course)						6
	Doctor's Degree (Engineering) (Thesis)						31
	Total						2,436
Grand Total		229	250	248	238	199	6,702



## International Student Data

Country	Undergraduate Total	Faculty														Total		Graduate School												Total		Total					
		Faculty of International Resource Sciences				Faculty of Education and Human Studies				Faculty of Medicine				Faculty of Engineering and Resource Science				Faculty of Engineering Science				Graduate School of Education				Graduate School of Medicine							Graduate School of Engineering and Resource Science				
		Regular		Non-Regular		Regular		Non-Regular		Regular		Non-Regular		Regular		Non-Regular		Regular		Non-Regular		Regular		Non-Regular		Regular		Non-Regular		Regular			Non-Regular				
		Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private						
China	56	1	3	6 (1)	28 (26)	1				10 (3)				7 (1)				25 (5)	31 (26)	17	1 (1)							1	15 (4)		2 (1)	15 (4)		73 (36)			
Malaysia	33	4 (2)								23 (4)				6				33 (6)		3									3 (1)		3 (1)		36 (8)				
Vietnam	24	3 (2)		1 (1)		1 (1)				14 (5)				3 (1)	2			22 (10)	2	5								1 (1)	4		1 (1)	4	29 (12)				
South Korea	14			2 (1)	1	11 (6)												2 (1)	1	11 (6)													14 (7)				
Mongolia	10	6 (5)	1		3 (2)					1								6 (5)	4 (2)	5								1 (1)	4 (2)		1 (1)	4 (2)	15 (10)				
Indonesia	0																			10		1 (1)						3 (1)	6 (2)		3 (1)	6 (2)	1 (1)	10 (4)			
Botswana	0																			4								2 (2)	2 (1)		2 (2)	2 (1)	4 (3)				
Afghanistan	0																			1								1			1		1				
India	0																				1								1 (1)		1 (1)		1 (1)				
Egypt	0																				1				1						1		1				
Romania	3				1	2 (2)												1	2 (2)	1		1 (1)									1 (1)		4 (3)				
Poland	1				1														1														1				
Kenya	1				1 (1)														1 (1)	1	1 (1)									1 (1)			2 (2)				
Tanzania	0																			2								2 (1)		2 (1)			2 (1)				
Malawi	1		1																1	2								2		2			3				
Israel	1				1 (1)													1 (1)															1 (1)				
Thailand	0																			1								1 (1)		1 (1)			1 (1)				
Philippines	1		1 (1)																1 (1)	3		1					1	1 (1)		1	1 (1)	1	4 (2)				
Papua New Guinea	0																			2								1	1		1	1	2				
Iran	0																			1								1		1			2				
Taiwan	1					1												1															1				
Pakistan	0																			2									2		2		2				
Brasil	1		1																														1				
Bolivia	0																			1								1 (1)			1 (1)		1 (2)				
Total	147	0	14 (9)	0	7 (1)	0	9 (3)	4 (1)	45 (37)	0	3 (1)	0	0	0	47 (12)	0	0	0	16 (2)	0	2	0	89 (27)	4 (1)	54 (38)	63	2 (2)	3 (2)	1		13 (6)	43 (13)	1 (1)	16 (8)	43 (13)	4 (3)	210 (90)

\*Numbers in ( ) represent female student numbers. \*\*Gov't Sponsored refers to Japanese government (Monbukagakusho) scholarships, and includes university recommendations, embassy recommendations, and domestic selections.

\*\*Non-regular refers to Japanese studies students, educational research students, special audit students/special research students (exchange students), credited auditors, and researchers.

\*\*Private includes foreign government scholarship students (Malaysia and Indonesia and Brasil).

## International Researcher Data

## 〈Foreign Researchers〉

Actual 2014 school year admissions

Section Name	Country/Region	Number
Graduate School of Engineering and Resource Science	China	5
	Vietnam	1
Venture Business Laboratory	India	1
	China	1

## 〈Part-Time Researchers〉

Actual 2014 school year admissions

Section Name	Country/Region	Number
Graduate School of Engineering and Resource Science	India	2
	Ghana	1
	China	2
	Mongolia	1
Venture Business Laboratory	China	4
	India	1

## 〈Foreign Visiting Researchers〉

Actual 2014 school year admissions

Section Name	Country/Region	Number
Faculty of International Resource Sciences	Indonesia	3
Graduate School of Medicine	Belarus	2

## [Inter-University Agreements]

(55 universities in 29 countries/regions)

As of 1 May 2015

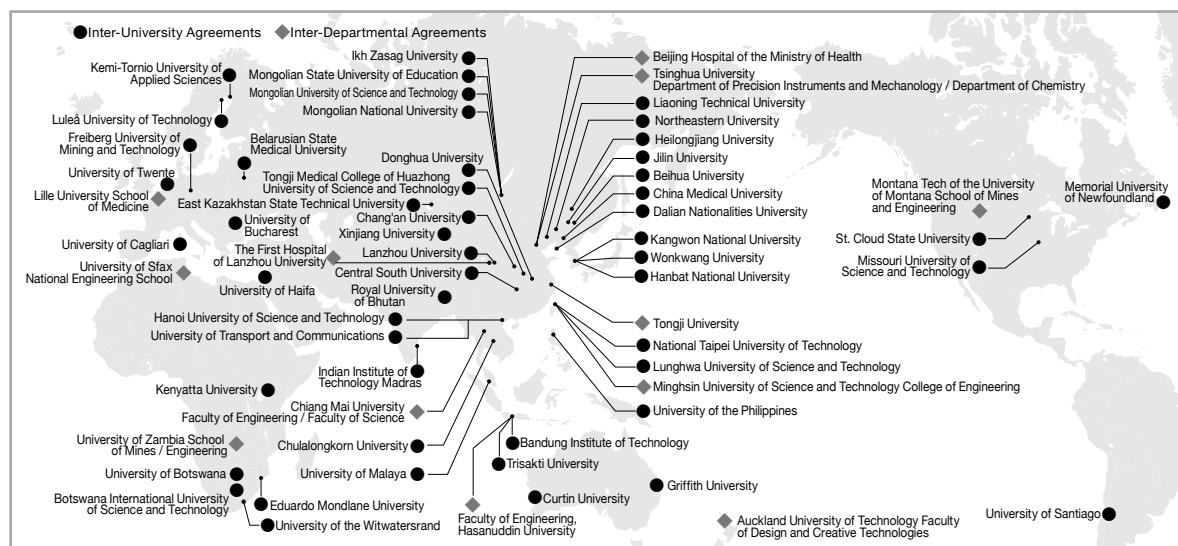
Country/Region	University	Affiliate Since
Asia	India Indian Institute of Technology Madras	21 March 2014
	Indonesia Technology, Institut Teknologi Bandung	12 July 2012
	Trisakti University	10 June 2014
	South Korea Hanbat National University	8 June 2001
	Wonkwang University	12 October 2007
	Kangwon National University	24 March 2008
	Thailand Chulalongkorn University	28 November 2012
	Taiwan Lunghwa University of Science and Technology	15 July 2005
	National Taipei University of Technology	18 July 2005
	China Heilongjiang University	19 October 1988
	China Medical University	6 October 1989
	Central South University	24 August 2004
	Liaoning Technical University	20 April 2005
	Dalian Nationalities University	27 June 2005
	Lanzhou University	1 August 2005
	Xinjiang University	20 February 2006
	Jilin University	6 February 2007
	Northeastern University	9 August 2007
	Donghua University	3 December 2009
	Tongji Medical College Huazhong University of Science and Technology	24 March 2010
	Chang'an University	18 November 2010
	Beihua University	20 November 2012
	Philippines University of the Philippines Diliman	24 September 2012
	University of the Philippines Manila	4 February 2013
	Bhutan Royal University of Bhutan	14 June 2012
	Vietnam Hanoi University of Science and Technology	2 December 2008
	University of Transport and Communications	3 December 2008
	Malaysia University of Malaya	20 November 2013
	Mongolia Mongolian University of Science and Technology	22 October 2009
	Ikh Zasag University	22 July 2010
	Mongolian State University of Education	23 July 2010
	Mongolian National University	19 June 2013
Middle East	Israel University of Haifa	24 September 2010
Africa	Botswana Botswana International University of Science and Technology	23 October 2009
	University of Botswana	31 March 2011
	Kenya Kenyatta University	2 March 2010
	Mozambique Eduardo Mondlane University	12 January 2014
Oceania	South Africa University of the Witwatersrand	1 September 2014
	Australia Griffith University	29 June 1994
North America	Curtin University	1 August 2013
	St. Cloud State University	24 July 1996
Central/South America	U.S.A. Missouri University of Science and Technology	7 March 2011
	Canada Memorial University of Newfoundland	17 June 2013
Europe (including NIS countries)	Chile University of Santiago	21 November 2013
	Italy University of Cagliari	9 December 2009
	Netherlands University of Twente	23 October 2007
	Kazakhstan East Kazakhstan State Technical University	8 June 2011
	Sweden Luleå University of Technology	9 May 2013
	Germany Freiberg University of Mining and Technology	4 July 2012
	Finland "Kemi-Tornio University of Applied Sciences (Renamed to Lapland University of Applied Sciences on 1 January 2013)"	23 October 2009
	Belarus Belarusian State Medical University	26 July 2004
	Romania University of Bucharest	28 September 2010

## [Inter-Departmental Agreements]

(17 Faculties, etc. in 9 countries/regions)

As of 1 May 2015

Akita University Department	Region/Country	University/Department	Affiliate Since
Faculty of International Resource Sciences	Asia	Indonesia Faculty of Engineering, Hasanuddin University	23 April 2014
Graduate School of Medicine	Asia	China Beijing Hospital of the Ministry of Health	14 November 1995
	Europe (including NIS countries)	France Lille University School of Medicine	13 April 2011
Akita University Hospital	Asia	China The First Hospital of Lanzhou University	12 June 2014
Graduate School of Engineering and Resource Science	Thailand	Chiang Mai University Faculty of Engineering	12 July 1999
		Chiang Mai University Faculty of Science	12 July 1999
	Taiwan	Minghsin University of Science and Technology College of Engineering	12 April 2010
	China	Tsinghua University Department of Precision Instruments and Mechanology	1 March 2007
		Tsinghua University Department of Chemistry	17 January 2008
		Tongji University School of Materials Science and Engineering	24 May 2010
		Tongji University Shanghai Key Laboratory of Metal Function Materials Research and Application	24 May 2010
	Africa	Zambia University of Zambia School of Mines	20 January 2003
		University of Zambia School of Engineering	12 March 2003
	Tunisia	University of Sfax National Engineering School	18 December 2003
Venture Business Laboratory	Oceania	New Zealand Auckland University of Technology Faculty of Design and Creative Technologies	27 November 2012 (Memorandum exchanged)
	North America	U.S.A. Montana Tech of the University of Montana School of Mines and Engineering	24 June 1982
	Asia	China Shanghai Key Lab of D&A for Metal Functional Materials, Tongji University	2 September 2011





## Administrator Data

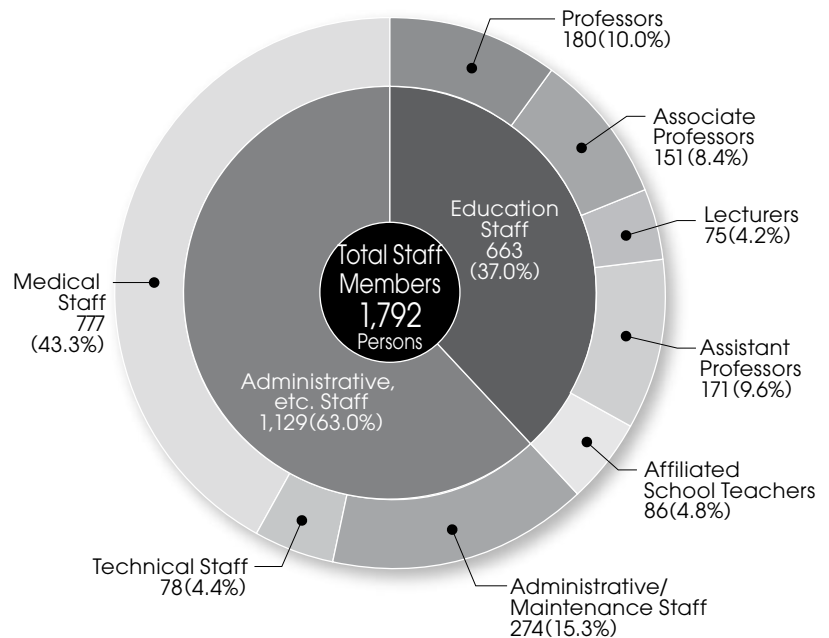
As of 1 May 2015

Category	University President	Director	Temporary	Total
University President	1			1
Director		5 (1)		5 (1)
Temporary			2 (1)	2 (1)
Total	1	5 (1)	2 (1)	8 (2)

\*Numbers in ( ) represent part-time administrators as a portion of the total number.

## Instructor Data

As of 1 May 2015

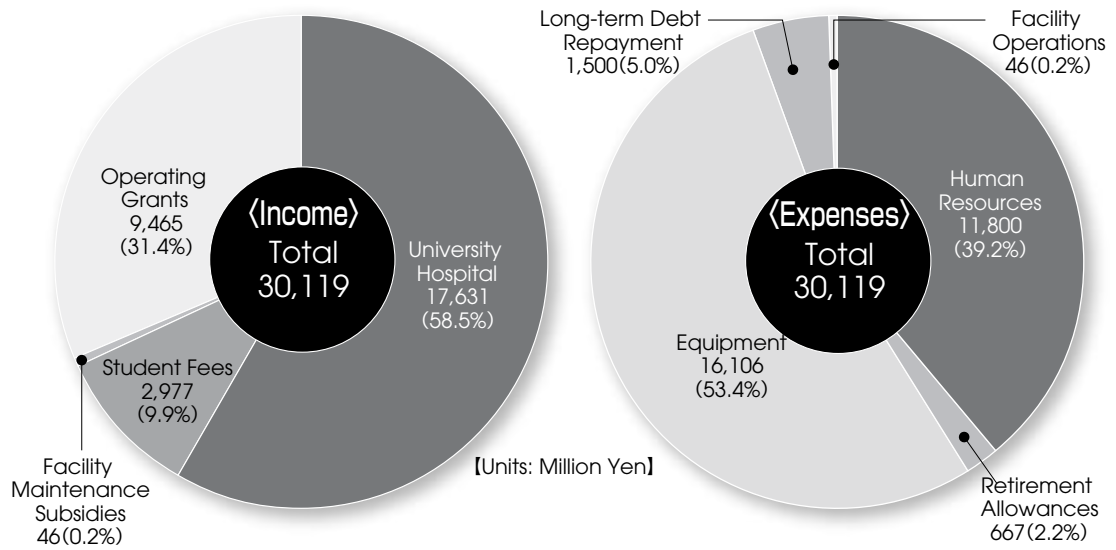


### All Staff by Position and Gender

As of 1 May 2015

Sex	Professors		Associate Professors		Lecturers		Assistant Professors		Affiliated School Teachers		Administrative/Maintenance Staff		Technical Staff		Medical Staff	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Male	160	88.9	134	88.7	62	82.7	118	69.0	43	50.0	165	60.2	63	80.8	140	18.0
Female	20	11.1	17	11.3	13	17.3	53	31.0	43	50.0	109	39.8	15	19.2	637	82.0
Total	180		151		75		171		86		274		78		777	

## Budget for FY2015



\*The values in the graph are projected amounts for FY2014, and Income and Expenses totals do not include joint industry-university research fees or donation-related costs.

Units: JPY 1000

Category	FY2008		FY2009		FY2010		FY2011		FY2012		FY2013		FY2014	
	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount
Collaborative Research with Private Sector, etc.	59	77,934	59	58,659	56	75,131	62	59,464	71	64,480	78	77,127	72	73,014
Contracted Research	73	276,786	86	312,251	84	371,986	110	273,757	131	344,289	123	279,478	92	382,050
Scholarship Donations	830	485,359	794	515,847	801	643,222	769	816,153	705	423,299	738	457,548	702	433,377
Charitable Lectures/Departments	2	38,300	3	75,800	5	216,800	6	222,600	6	226,800	6	204,000	4	162,000
Total	964	878,379	942	962,557	946	1,307,139	947	1,371,974	913	1,058,868	945	1,018,153	870	1,050,441

\*Contracted Research does not include investigational drug trials, histopathological exams, or contracted trials. Scholarship Donations does not include Akita University Education Research Support Fund.

## Accepted External Funding Status



# Telephone Numbers and Addresses

## 〈Tegata Campus〉

Name	Telephone Number	Address
General Affairs Front Desk (General Information)	018-889-2207	1-1 Tegata Gakuen-machi, Akita City 010-8502 Japan
Center for Evaluation	018-889-2937	
University Library - Central Library	018-889-2273	
University Health Center	018-889-2286	
Cooperative Research Center	018-889-2712	
Information Integration Center	018-889-2499	
Venture Business Laboratory	018-889-3040	
International Center for Research and Education on Mineral and Energy Resources	018-889-2810	
Radioisotope Research Center	018-889-3006	
Venture Incubation Center	018-889-2680	
International Exchange Center	018-889-2856	
Center for Promotion of Educational Research and Affairs	018-889-3191	
Center for Teaching License Extension	018-889-3205	
Center for Regional Development	018-889-2270	
Student Support Center	018-889-2265	
Office for the Promotion of Gender Equality	018-889-2260	28-2 Osawa Tegata, Akita City 010-8502 Japan
Information Center	018-889-2931	
Faculty of International Resource Sciences - Front Desk	018-889-2214	1-1 Tegata Gakuen-machi, Akita City 010-8502 Japan
Faculty of International Resource Sciences - Mining Museum	018-889-2461	
Faculty of Education and Human Studies - Front Desk	018-889-2509	
Faculty of Education and Human Studies - Center for Educational Research and Practice	018-889-2700	
Faculty of Engineering Science - Front Desk	018-889-2305	
Faculty of Engineering Science - Research Center for Engineering Science	018-889-2460	
Faculty of Engineering Science - Innovation Center for Engineering Design and Manufacturing	018-889-2806	
Faculty of Engineering Science - Research Center for Development of Disaster Prevention	018-889-2305	



Tegata Campus

## 〈Hondo Campus〉

Name	Telephone Number	Address
Faculty of Medicine (General Information)	018-833-1166	1-1-1 Hondo, Akita City 010-8543 Japan
Faculty of Medicine - University Hospital (General Information)	018-834-1111	
Faculty of Medicine - University Hospital Medical Simulation Center	018-884-6427	
Bioscience Education and Research Center Department of Molecular Medicine	018-884-6191	
Bioscience Education and Research Center Animal Center	018-884-6193	
Bioscience Education and Research Center Radioisotope Laboratory	018-884-6196	
Research Center for Biosignal	018-884-6467	
Environmental Research Center	018-884-6192	
University Library - Medical Library	018-884-6052	



Hondo Campus

## 〈Hodono Campus〉

Name	Telephone Number	Address
Faculty of Education and Human Studies Kindergarten	018-862-2343	14-32 Hodonoharano-machi, Akita City 010-0904 Japan
Faculty of Education and Human Studies Elementary School	018-862-2593	13-1 Hodonoharano-machi, Akita City 010-0904 Japan
Faculty of Education and Human Studies Junior High School	018-862-3350	7-75 Hodonoharano-machi, Akita City 010-0904 Japan
Faculty of Education and Human Studies Special Support School	018-862-8583	

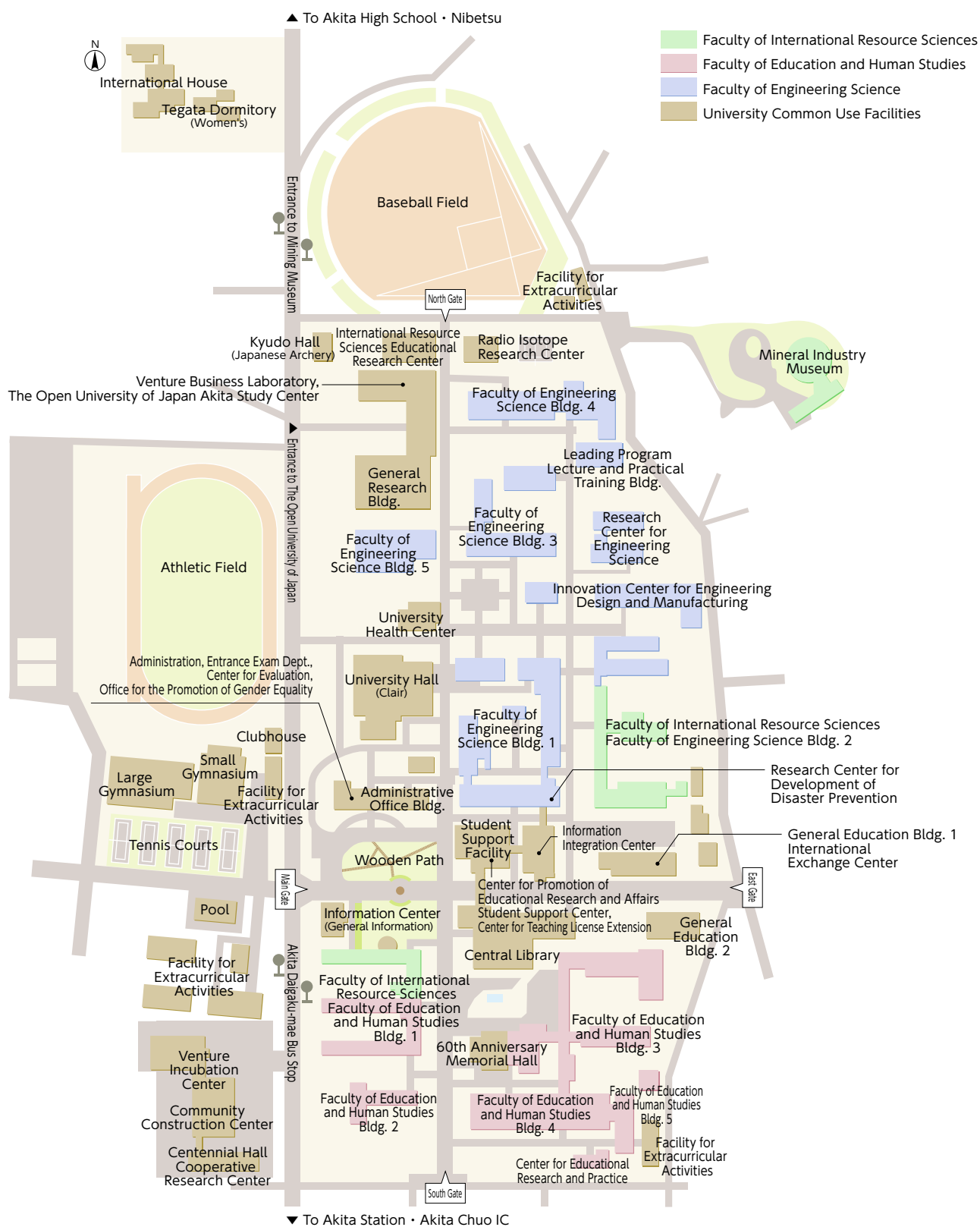


Hodono Campus

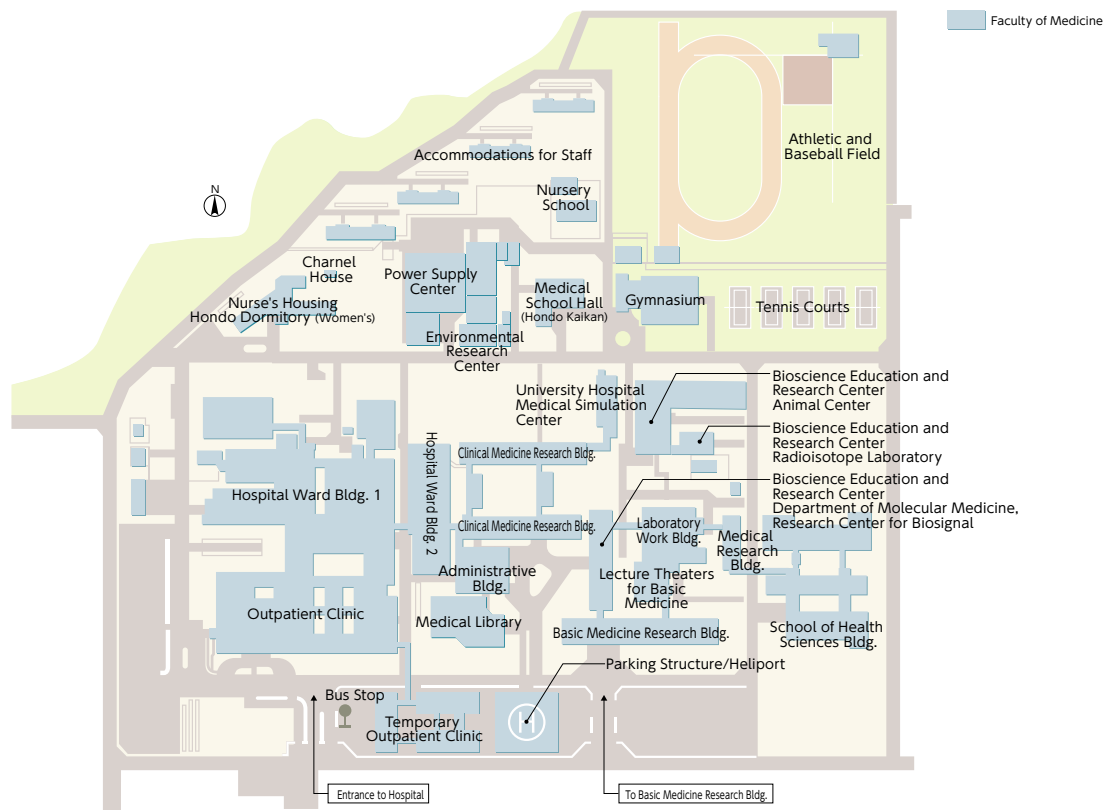
## 〈Other Facilities〉

Name	Telephone Number	Address
Nishiyachi Dormitory (Men's)	018-833-2856	5-1 Tegata Nishiyachi, Akita City 010-0851 Japan
Tegata Dormitory (Women's)	—	5-50 Tegata Tanaka, Akita City 010-0862 Japan
Hondo Dormitory (Women's)	—	100-3 Nukazuka Yanagida, Akita City 010-0825 Japan
International House	—	5-50 Tegata Tanaka, Akita City 010-0862 Japan
International Student House	—	4 Takada Hiroomote, Akita City 010-0041 Japan
Nyuto Lodge	0187-46-2110	2-228 Komagatake Tazawako Obonai, Senboku City 014-1201 Japan
Yokote Branch School	0182-38-8304	1-21 Ekimae-cho, Yokote City 013-0036 Japan
Kitaakita Branch School	0186-62-1111	19-1 Hanazono-cho, Kitaakita City 018-3392 Japan
Oga Namahage Branch School	0185-24-9126	66-1 Izumidai Funagawaminato Funagawa, Oga City 010-0595 Japan
Tokyo Satellite Campus	03-5440-9104	3-3-6 Shibaura, Minato-ku, Tokyo 108-0023 Japan Tokyo Institute of Technology Campus Innovation Center Rm. 606
The Open University of Japan Akita Study Center	018-831-1997	1-1 Tegata Gakuen-machi, Akita City 010-8502 Japan

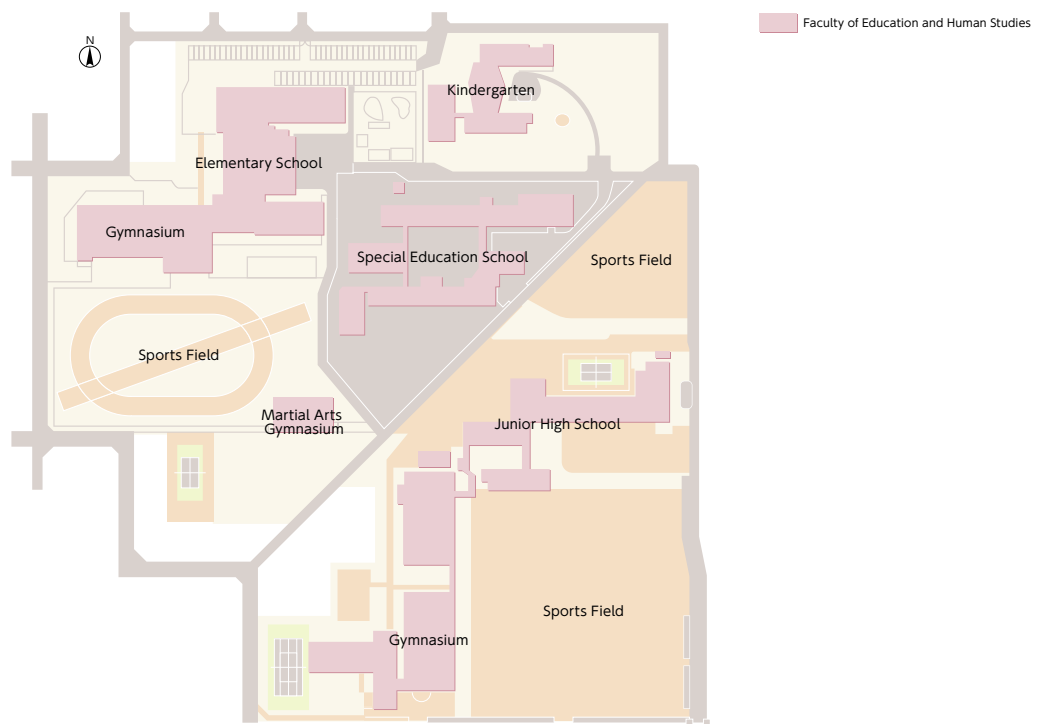
# Tegata Campus Map



# Hondo Campus Map

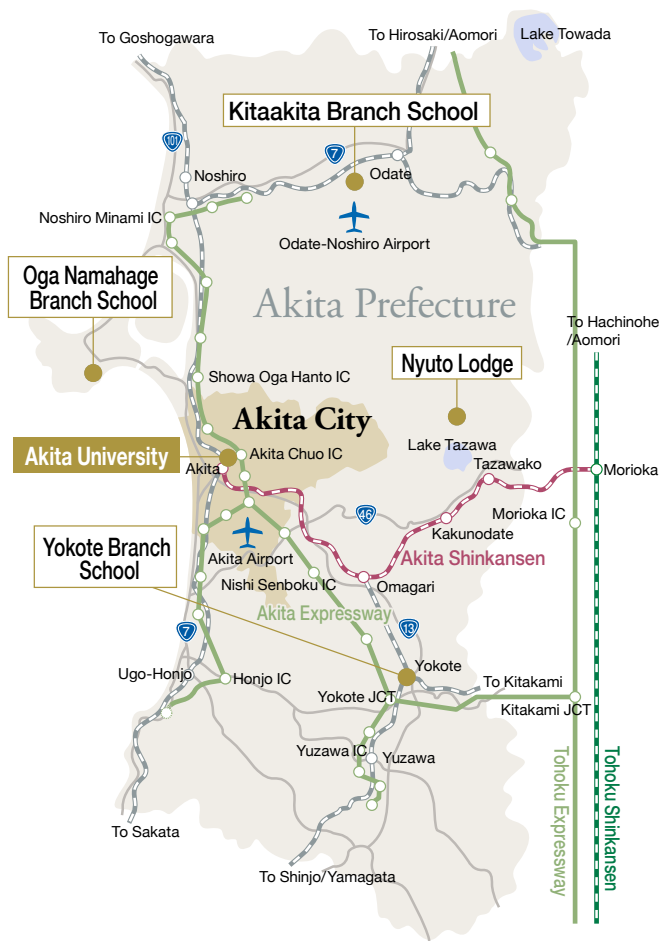


# Hodono Campus Map





# Access



## 〈To Akita〉

As of April 2015

From Tokyo	Haneda Airport to Akita Airport (1 hr. 5 min.)
	Haneda Airport to Akita Airport (1 hr. 5 min.)
From Nagoya	Chubu International Airport to Akita Airport (Approx. 1 hr. 20 min.)
From Osaka	Osaka International Airport (Itami) to Akita Airport (Approx. 1 hr. 30 min.)
From Sapporo	New Chitose Airport to Akita Airport (Approx. 1 hr. 15 min.)
Airport Bus from Akita Airport to Akita Station	Akita Airport to Akita Station West Gate (Approx. 35 min.)
	Akita Airport to Akita Station East Gate (Approx. 30 min.) *Runs only once/day

## 〈From Akita Station to Akita University〉

As of April 2015

Destination	Bus Route (Akita Chuoukoutsu)	Akita Station Platform Location	Final Bus Stop (Travel Time)
Tegata Campus	Daigaku Byoin Line via Tegatayama	West Gate ⑫	Akita Daigaku-mae(Approx. 6 min.)
	● Approx. 15 min. on foot from the East Gate of Akita Station		
Hondo Campus	Taihei Line	West Gate ⑪	Daigaku Byoin-mae (Approx. 15 min.)
	Akanuma Line		
	Matsuzaki Danchi Line	West Gate ⑫	
	Daigaku Byoin Line via Tegatayama		
	Eki Higashi Line	East Gate ①	
	Akanuma Line	East Gate ②	
Hodono Campus	Kanda Asahino Line	West Gate ⑩	Haranomachi (Approx. 10 min.)
	Kanda Tsuchizaki Line		
	Soegawa Line		



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## University Calendar

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● Academic Year

First Semester

... 1 April - 30 September

Second Semester

... 1 October - 31 March

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● Ceremonies

Entrance Ceremony..... 5 April

Graduation Ceremony... 22 March

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● School Breaks (2015-2016)

Summer Break

... 11 August - 27 September

Winter Break

... 26 December - 8 January

Spring Break

... 19 February - 4 April

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Logo



The four points below describe the meanings embedded in the Akita University Logo:

1. It depicts the "A" in "Akita University".
  2. It resembles the curve of the Akita Prefecture coastline.
  3. It represents the structure of the University, which is comprised of four faculties.
  4. It expresses the contributions, both local and global, made by the University.
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Akita University

## Akita University Outline 2015 Edition

[Editing and Publication]

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